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# the johns hopkins News-Letter

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CATHERINE GUENTHER/STAFF  
Gibbs addressed the FAS audi-  
ence in Shriver Hall on Tuesday.

## Former Press Secretary closes FAS

By SUZ AMEDI  
Staff Writer

In the final event of their spring lecture series, the Foreign Affairs Symposium (FAS) brought former White House Press Secretary Robert Gibbs to Shriver Hall on Tuesday.

Gibbs, who served as Press Secretary under President Barack Obama, also served as Obama's Communications Director during the 2008 presidential election and Press Secretary for John Kerry during the election four years prior. He resigned as Obama's Press Secretary in February 2011 and currently works as an outside advisor to the White House.

Gibbs began his speech with an anecdote to introduce a series of stories about the various negative attention and comments that were directed at him during his time as the White House Press Secretary.

"I was thumbing through a stack of mail in my secretary's office one day and found a postcard with no return address, no greeting and no salutation. On the back, it simply stated, 'If you lost forty pounds, you'd be a' and I was a bit of a weight issue at the time."

SEE FAS, PAGE A5

## Relay For Life raises \$60,000 for cancer

By BEN KUPFERBERG  
Staff Writer

Hopkins hosted its annual Relay For Life, sponsored by the American Cancer Society, all night last Friday on Keyser Quad. Over 700 registered

participants and many unregistered individuals took part in the event over the course of the night, and many student organizations showed their support for the cause. Various cancer survivors, both from Hopkins and the greater

Baltimore community, attended and shared their stories.

The Hopkins community was able to raise \$60,000 for the Relay For Life Team, which will go towards funding for the American Cancer Society.

The event consisted of three ceremonies; the Celebrate Ceremony, Remember Ceremony and Fight Back Ceremony.

The Celebrate Ceremony honored the cancer survivors and opened the event

SEE RELAY, PAGE A5



The annual Relay For Life at Hopkins brought students together on Keyser Quad to raise awareness and money for the American Cancer Society.

COURTESY OF WILL VERDUZCO

## Students elect SGA exec board

By KATHERINE SIMEON  
News & Features Editor

On Monday, the Student Government Association (SGA) announced its new executive board for the 2012-2013 academic year. After three days, student voters elected junior Moses Song, sophomore Alex Schupper, sophomore Michael St. Germain and sophomore Paige Doyle to serve on SGA's executive board. The election set a record for one of the highest voter turnouts in school history, a 40.5 percent participation rate.

In the SGA Executive Elections this year, 2026 students voted, increasing the voting turnout percentage to 40.5 percent from approximately 34 percent last year.

"It's amazing. In terms of involvement in SGA elections, in SGA in general, it is such

SEE ELECTION, PAGE A5

## Students shed light on human trafficking

By NATHALIA GIBBS  
Photography Editor

The Hopkins InterVarsity Christian Fellowship (HCF) and Students Educating and Empowering for Diversity (SEED) are currently hosting an anti-human trafficking awareness week that began on Monday. The series of events, entitled "My Generation Will Be Free," is occurring in conjunction with the events of 14 other colleges in Maryland and is the first of its kind at Hopkins.

The week began on Monday with the distribution of temporary tattoos, which were designed to depict a barcode, on the



HCF and SEED educate students about human rights violations.

COURTESY OF KATHERINE SIMEON

Breezeway and Levering Courtyard. A 24-hour prayer session followed, starting Monday evening and finishing on Tuesday. The organizations also hosted speaker events throughout the week.

There is a Fair Trade Coffeehouse on Thursday at 8 p.m. in McCoy Hall's Multipurpose Room, where students can perform poetry or music while enjoying fair trade coffee and tea.

SEE TRAFFICKING, PAGE A4

## Earth Week promotes sustainability on campus

By SUZ AMEDI  
Staff Writer

The JHU Sustainability Network sponsored Earth Week, a week-long series of events which began on Monday and were structured to promote and educate students about sustainability on campus. The events culminate with Earth Day on Sunday, April 22.

"Earth Week events demonstrate how students can take little steps, such as using tap water instead of bottled water, to make large differences and really contribute to sustainability at Hopkins," sophomore Julia Bradshaw, Publicity Officer for Students for Environmental Action, said.

The week began with

Take Back the Tap, an event run by Hopkins ECO-Reps, which was designed to encourage students to turn to drinking water from the tap instead of bottled water. Individuals passing through Levering Quad between 12 p.m. and 2 p.m. were asked to take a sip each from two unlabeled cups of water,

one containing tap water and the other bottled water, to attempt to identify the type of water each cup contained.

"Take Back the Tap is a great project... that helps students realize what a great

tap water Baltimore has. [It] promotes the use of reusable bottles on campus as opposed to [plastic] water bottle consumption which could

SEE EARTH DAY, PAGE A4



NATHALIA GIBBS/PHOTO EDITOR  
Events were held to celebrate Earth Day.

## MEDLIFE's Global Banquet brings food, performances

By ASHLEY EMERY  
News & Features Editor

The Hopkins chapter of Medicine, Education and Development to Low Income Families Everywhere (MEDLIFE) held the Global Banquet, its annual fundraising endeavor, in the Glass Pavilion on Monday evening.

The event raised approximately \$1000 to fund MEDLIFE's upcoming proj-

ect: building a staircase in the small Peruvian village of Paraíso. The project aims to facilitate the labor of a local Peruvian family.

"There is a family that was living there and had a really hard time moving up and down the steep slopes," senior Ava Yap, President of Hopkins MEDLIFE, said. "This is actually one of our health care projects. It's great that

we actually know where the money is going towards. We strive towards stable health care solutions and that is the basis of the message of MEDLIFE."

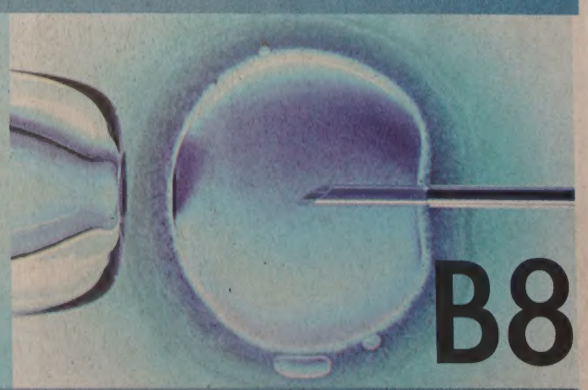
The event drew approximately 200 people, more than 60 of whom were performers at the event. There were myriad multicultural performances from Hopkins student performance groups, such as Masti, Lion Dance

Troupe, and Temp D'Afrique — Indian, Chinese, and African dance groups, respectively. Student bands also performed, including senior Nigel Harris's band and the Young Villains.

"We were trying to throw together a culturally diverse, global-themed banquet. We tried to pull performances from all over the world," Yap said.

SEE GLOBAL, PAGE A4

### INSIDE





## NEWS &amp; FEATURES

# TASA event celebrates Asian heritage, presence

By IAN YU  
Managing Editor

With games and food reminiscent of a Taiwanese night market, the Taiwanese American Student Association (TASA) held its annual Night Market on Saturday, Apr. 14 in the Glass Pavilion. According to TASA co-presidents Richard Hong and Eric Yau, the goal of their event Saturday evening was to raise awareness of Taiwanese culture and highlight the group's presence on campus.

"[We're sharing] a little bit about Taiwan, a little bit about our culture," Hong said. Night markets are commonplace in Taiwan's urban and suburban regions. They often feature various vendors that offer games or sell food and various items in a typically crowded and noisy environment.

TASA set up tables around the pavilion that held various Chinese and Taiwanese foods, some prepared by students and others catered by Szechuan House, a Lutherville, MD Asian restaurant. Other tables offered desserts and drinks including shaved ice, red bean soup and bubble tea.

Student performers at the event included the Tai Chi club, BBoys and the Lion Dance Troupe. As their featured performer, TASA brought in rising YouTube star Kevin Lien, best known for his English cover of "Wedding Dress" by Korean pop artist Taeyang.

Lien, using his acoustic guitar to accompany his voice, performed both covers of various artists across genres and his original compositions, inserting short rap segments into the former. A personal connection between Yau and Lien proved instrumental in TASA's recruitment of the artist for the event.

"Kevin Lien is my friend from high school, so it was pretty easy for us to get in touch," Yau said.

TASA initially faced a significant funding hurdle when selecting an artist to invite for this year's event.

"For most of our grants we only got half of what we got last year," Hong said.

"TASA is known as a free food kind of cultural group, and so the hardest thing is how we do fundraising," Yau added.

Yau mentioned The Inter-Asian Council's support for Night Market, part of Asian Awareness month, and that they had reached out to other groups to help co-sponsor the event and increase its diversity.

**I think Night Market attracts a different crowd than the lacrosse game.**

**—RICHARD HONG, TASA Co-PRESIDENT**

"I doesn't just have to be Taiwanese-only," Yau said.

As a result of reduced funding, TASA implemented a ticketing system, which offered a set of free tickets to allow attendees to get one plate of food. Students who wanted more food could purchase additional tickets.

"It's a really fun event. I met some really awesome people. The food selection this year was good," junior Alex Dang said.

The only other aspect of the evening that Dang did not enjoy was the loudness of the Lion Dance Troupe's performance.

"The acoustics for lion dance were not awesome," he said.

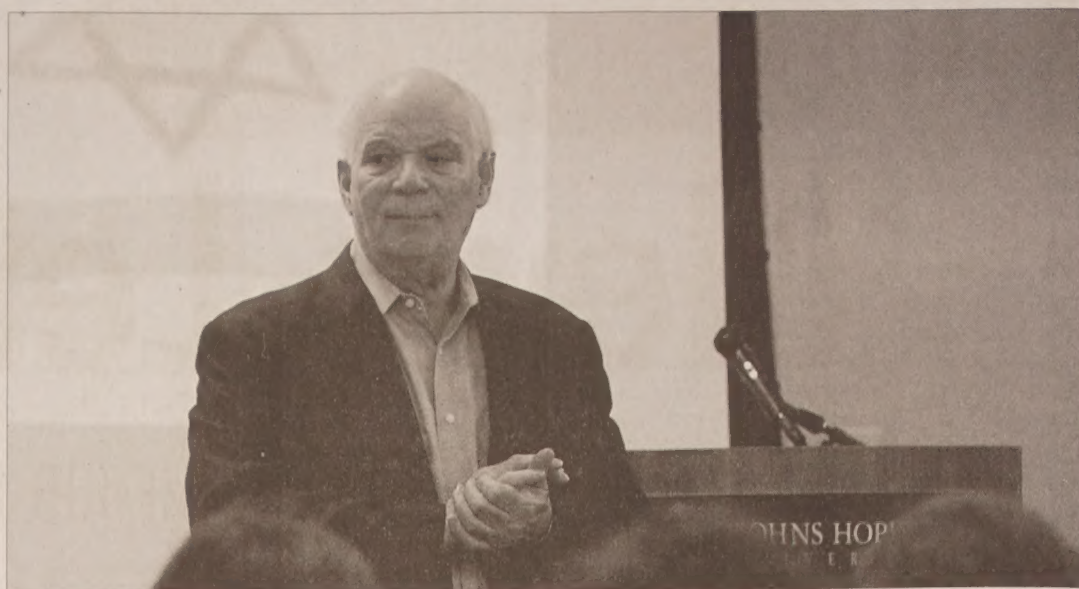
Freshman Karin Umfrey enjoyed the performances.

"It was a good cultural event... I thought the performances were really good, and I like that they brought a singer in because he was really good," she said.

In previous years, TASA had held Night Market in the Mattin Center, which had been impeded by weather last year, forcing the event to relocate indoors.

Despite other events occurring on campus this past weekend, Hong felt that they had a successful turnout, as they appealed to a different set of interests.

"I think Night Market attracts a different crowd than the lacrosse game," Hong said.



NATHALIA GIBBS/PHOTOGRAPHY EDITOR

Senator Ben Cardin (D-MD) delivered the keynote address at the first event sponsored by HAPI, an emerging Israeli advocacy group on campus.

## Cardin: Israel is "strategically crucial"

At HAPI's inaugural event, Senator urges Hopkins towards Israeli awareness

By RACHEL WITKIN  
Managing Editor

The Hopkins Americans Partnership for Israel (HAPI) held its first event last Sunday, featuring United States Senator Ben Cardin (D-MD), who addressed the importance of a strong relationship between the United States and Israel. About 35 people attended the event, which was only open to student leaders.

HAPI was created by sophomore Ari Weiss this past fall in an attempt to elevate political activism concerning Israel on campus. He got in contact with the American Israel Public Affairs Committee (AIPAC) to figure out how to establish a group on campus and contact members of Congress for support.

"I'd been part of CHAI [Coalition of Hopkins Activists for Israel] for a while, but I was more interested in having a political edge with Israel advocacy," Weiss said. "I'm really interested in teaching everyone that Israel isn't just a Jewish concern, but it's a universal concern that everyone can understand the importance of."

Weiss and HAPI co-president sophomore Jonathan Hettelman decided to pick Cardin as their speaker because of his commitment to a U.S.-Israel relationship.

"He's a senator from Maryland, so we thought that he would be a good candidate. He's had a great track record of fighting for the U.S.-Israel relationship in the past," Hettelman said. "He's being a real champion in the world of pro-Israel politics that he would be a great person to come on campus and speak."

Hettelman introduced Cardin by detailing his 20 years of experience in the House of Representatives and his first term in the Senate. He then explained the goals of HAPI to the audience.

"HAPI seeks to engage and advocate to student leaders and members of Congress the importance of supporting Israel, the only Jewish Democratic state premised on many of the democratic ideals that we, as Americans, have guarded and fought for since our inception."

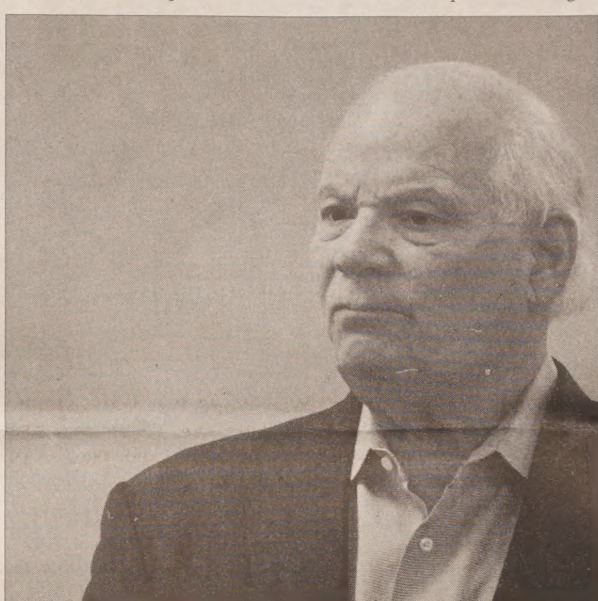
Cardin opened his speech by telling a joke about how he became the number one ranked lawyer in his class at the University of Maryland after he was elected to the Maryland House of Delegates

and served in the Ways & Means Committee, which allocates funds to law schools.

He went on to talk about a discussion that he had with Secretary of State Hillary Clinton about the relationship that the U.S.

they should instead focus on getting students to vote. Sophomore Jenny Ferentz agrees that the topic of Israel should not be debated between Democrats and Republicans.

"I think that Senator Cardin's speech brought



NATHALIA GIBBS/PHOTOGRAPHY EDITOR

Cardin spoke at a HAPI event to an audience comprised largely of student leaders.

has with Arabic countries in the Middle East.

According to Cardin, Clinton told him that, "Sometimes we just have to overlook some of the fundamental disagreements we have because of the strategic importance of the country to the U.S."

Cardin said that he responded by mentioning how important Israel was to the U.S.

"And then I pointed out the obvious to Secretary Clinton, that there's one country and only one country in the Middle East that we share a common value that is strategically critical to U.S. interests. And that's the state of Israel," he said.

He stressed that the topic of Israel is especially unique in American politics because of its bipartisan support in Congress. He attributed this support to the effectiveness of AIPAC, which has lobbied for the United States to continue to support Israel, and urged HAPI to bring those ideas to the Hopkins campus.

"Hopkins has an incredible reputation... it's an institution that is solid, that represents excellence and represents a community concern, but is not just a group that's going to do something because it's politically in vogue," Cardin said. "Starting a presence here to be involved in strengthening the U.S.-Israel relations to me is so critically important, and putting Johns Hopkins' name behind it makes it even that much more valuable."

Although he wants students to be politically active concerning Israel, he stressed that the topic should not become a partisan debate. He thinks that

up many important points and gave good advice for those who are invested in the conversation in America concerning the Israeli-Palestinian conflict, such as not to make the issue a wedge issue between the Democratic and Republican party, as well as the fact that the only solution to the conflict is a two-state solution," Ferentz wrote in an email to *The News-Letter*.

Cardin argued that if as many people as possible go to Israel, they will become increasingly passionate about the country and want to help work for peace. Sophomore Alexa Mechanic, who went on the Hopkins Birthright trip to Israel this winter, agreed.

"After visiting Israel this past winter, the vulnerability of the nation hit me. Israel is surrounded by a multitude of unstable and at times threatening countries, and actually seeing the physical boundaries between Israel and these countries is what made the issues at hand so real," she wrote in an email to *The News-Letter*. "Cardin stressed the need for our support insofar as the same regimes that threaten Israel also threaten the United States and our desire for peace."

Cardin thinks that this peace will only occur through direct talks.

"The United States is a leader in the world on these issues, and we have every right along with our government to do what we believe is the best thing for the United States," Cardin said. "And that's what you're doing tonight."

An interview with Ben Cardin

*The News-Letter* sat down with U.S. Senator Ben Cardin to discuss the upcoming congressional elections. Cardin is currently a junior U.S. Senator and a member of the Democratic Party. He represented Maryland's 3rd congressional district in the House of Representatives from 1987 to 2007, and is running for his second term in the Senate.

*The News-Letter (N-L):* What do you think the most important issue in your upcoming election?

Ben Cardin (BC): I think it's about jobs, about getting our economy back on track. It's about growing America's economy so we can do what we need to do to be competitive. It's also about, how do you invest in creating jobs? That means investing in our schools, making college more affordable for families. It also means building a better infrastructure - roads, bridges, transit systems, energy grids. We've got to do a better job. Then how do we balance the budget? We have to look at a balanced approach that reduces spending... and brings in additional revenue so that we can balance our budget.

*N-L:* What about the presidential election?

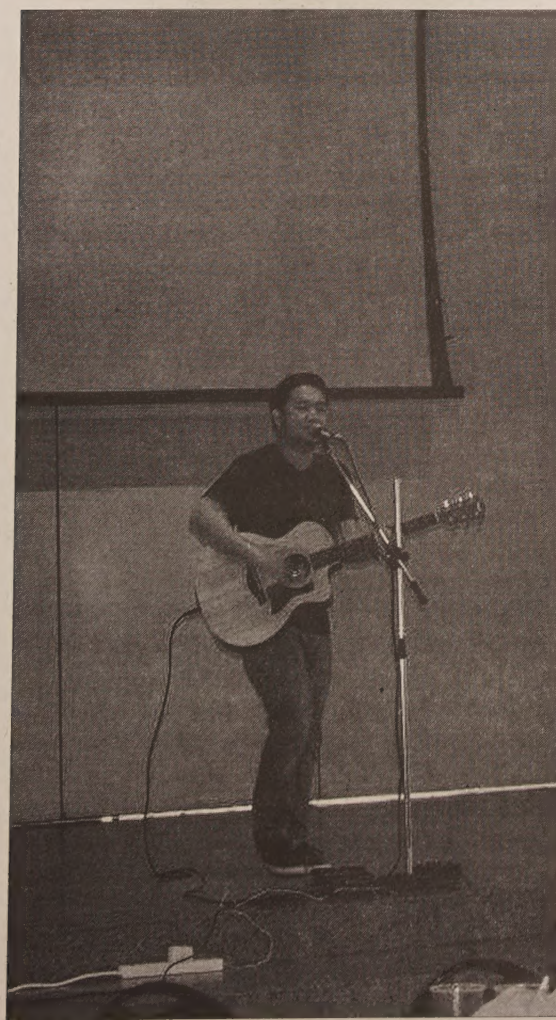
BC: I'm a strong Obama supporter. I think President Obama is going to win reelection, but there is obviously a long time from now until November. With the economy improving, I think his chances are much better and now that the Republicans appear to have their nominee, I think we'll see the contrast between President Obama and Governor Romney. I expect to see people start to pick sides. I think President Obama is going to do well.

*N-L:* Going back to Israel, what solution would you support?

BC: I'm for a two-state solution. I'm for two states living side by side in peace. It's the only viable option.

*N-L:* How are you going to get more students to register to vote?

BC: We want to get people registered. This is your future. It's a lot at stake. There's some fundamental issues being determined that affect our college students: war, peace, how we deal with higher education, how we deal with our environment. These are issues that college students have [are] very strong... there are fundamental differences between Governor Romney and President Obama so we're hoping that that will be motivation to get college students, especially here at Hopkins, registered.



COURTESY OF ERIC YAU

TASA's Night Market offered an opportunity to celebrate Asian culture.



## NEWS &amp; FEATURES

# Moore discusses economic growth, "Obamacare" at FAS event

By MARY KATHERINE ATKINS  
Copy Editor

The Foreign Affairs Symposium (FAS) hosted Stephen Moore, a senior economics writer and member of the editorial board for the *Wall Street Journal*, last Thursday, Apr. 12 in the Glass Pavilion. Moore shared his views on the current state of the economy and discussed the policies necessary to improve the United States economy after the recession.

Moore began the event by outlining two subjects he felt were crucial to the future of the United States economy: healthcare and energy policy.

Moore disagreed with the principles of the Patient Protection and Affordable Care Act (PPACA), which requires individuals who are not covered by employer or government insurance plans to purchase health insurance or pay a fine.

"This is a desecration of state's rights. There's nowhere in the Constitution that gives the federal government the authority that requires someone to buy health insurance," Moore said.

While Moore believes that PPACA impedes interstate commerce and grants the federal government too much power, he agrees that healthcare needs to be reformed.

"I give Barack Obama a lot of credit. He's exactly right. I think we are paying way too much for healthcare in this country, it's just that Obamacare would actually make the system worse, not better," Moore said.

In Moore's opinion, one of the greatest issues concerning healthcare is that Americans tend to have too much health insurance.

Moore discussed the need for healthcare to become more cost-conscious. He said that healthcare insurance should be used for big risks, such as cancer, rather than small risks,

such as annual check-ups. If more customers paid for healthcare out of their own pockets, competition would lead to competition in the industry and drive prices down.

Moore also disagrees with Obama's energy policy. He believes that the United States should welcome energy development and tap into all of its resources. He highlighted significant technological advances, such as hydraulic fracking and horizontal drilling, which have made the search for oil and natural gas more efficient.

"I happen to think the President has the complete wrong view of energy policy. We should be doing everything we possibly can to develop our oil and natural gas industries," Moore said.

Moore advocated for allowing the free market to work rather than limiting oil and natural gas development, as the Obama administration has done. Moore believes that the United States possesses a future in energy, especially with oil and natural gas developments in states such as North Dakota and West Virginia.

"The reason this is such an important economic story is that I believe... that, within the next 10 or 15 years — and this is an amazing thing to say, and I believe it is true — within the next 10 or 15 years, the United States can be an oil exporter and a natural gas exporter," Moore said.

Moore continued on to discuss his views on the current condition of the U.S. economy.

"If we had done exactly the opposite of what Bush did and exactly the opposite of what Obama had done, in terms of interventions and the economy, in my opinion, we'd be significantly better off," Moore said.

Moore disagreed with the U.S. government bailouts caused by the recession.

"I just don't believe bail-

outs are ever, ever, ever justified," Moore said. "I think that we should let the bankruptcy system work if people make bad financial decisions. They are the ones who should bear the brunt of that, not the general tax payer."

Moore opposed the \$800 billion fiscal stimulus bill, as he does not believe in the idea that government spending creates jobs and wealth.

"The reason government spending does not create jobs is very simple. As Milton Friedman used to say... 'There's no such thing as a free lunch,'" Moore said. "If the government spends a dollar, ladies and gentleman, the dollar has to come from someone."

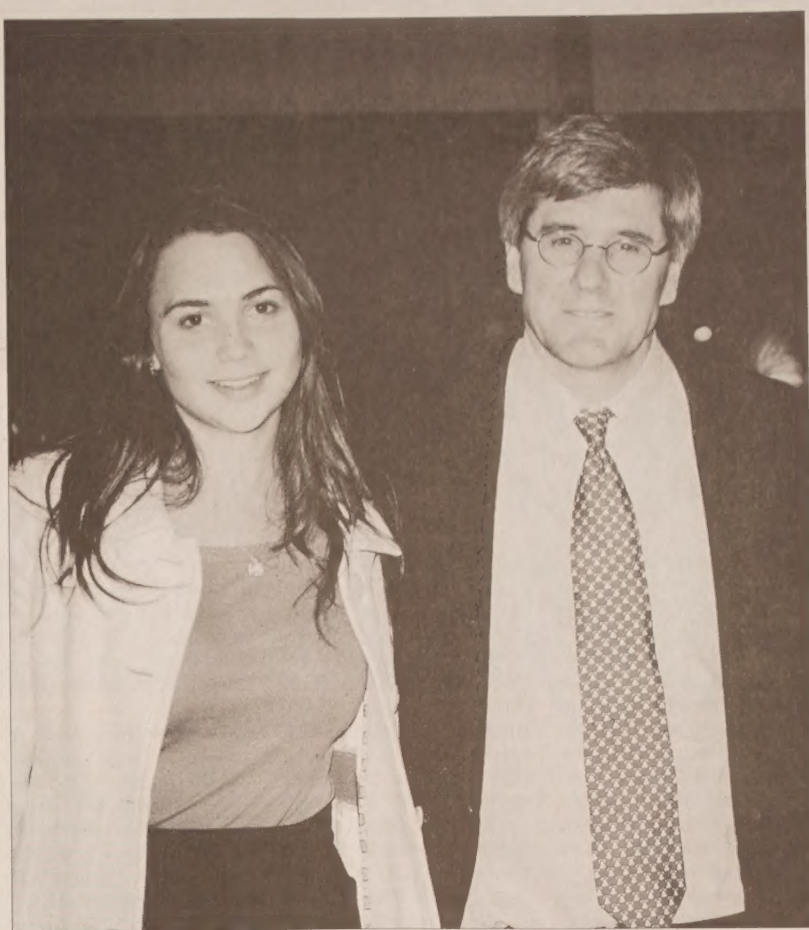
Moore said that the U.S. economy needs to adopt policies similar to those enacted by Ronald Reagan during his presidency. These policies, which consist of cutting tax rates and managing inflation, would, in Moore's opinion, help get the U.S. economy back on track.

Moore finished his discussion by emphasizing two major issues that America's younger generations will inherit, which include inheriting enormous debt and maintaining a competitive edge against burgeoning economic superpowers, such as China.

"In four years — the last year of the Bush administration and the first three years of the Obama administration — we have borrowed more money than all of the money it took to fight the Revolutionary War, the Civil War, World War I, World War II, the Great Depression, the Cold War," Moore said, putting the U.S. debt into perspective. "I mean, it's unbelievable how much we have borrowed."

Moore says students should be concerned with the question of which country will surpass the U.S. and become the next superpower.

"What China is do-



NATHALIA GIBBS/PHOTO EDITOR

Economics writer and *Wall Street Journal* editorial staffer Stephen Moore with FAS staff member Leila Collins.

ing right now, is they are hyper-obsessed — their government — with competitors," Moore said. "Nobody is focusing in Washington about competitiveness."

Despite future challenges, Moore believes Americans have reasons to remain optimistic about the economic future of the U.S.

"One of the reasons I am so optimistic about the future... you're going to see such amazing advances in your lifetime, and it's incredibly exciting, and it's

because of the digital age," Moore said.

The event featuring Mr. Moore was well attended by both students and faculty.

"FAS does a great job bringing in speakers with different perspectives," sophomore Myriam Kane said. "I enjoyed hearing Mr. Moore's opinions and predictions on the future of the economy."

FAS co-sponsored this event with the Economics department at Hopkins.

"Mr. Moore provided a very critical analysis

of some of the administration's current policies sparking great dialogue with students, as many of his views were quite controversial," Eleanor Gardner, Executive Director of FAS, wrote to the *The News-Letter* in an email. "He was very honest and critical of certain policies which was great as it forced students with opposing views to formulate their own beliefs and carry out thoughtful debate on some of the largest economic issues we are facing."

## 100 years after, Hopkins talks Titanic

By ALLISON GRECO  
Staff Writer

The Krieger School of Arts and Sciences hosted "The Sinking of the Titanic — 100 Years Later" in Gilman Hall on April 14. The event strove to share information about the Titanic and the world in 1912 with the Hopkins community.

Dean Katherine Newman opened the event and Dr. Ron Walters, the chair of the Department of History at Hopkins, spoke about the historical context of the sinking and Titanic expert. Hopkins alumnus Chris Lee explored the Titanic itself.

**We can recognize the modernity in Titanic... of how the world transformed.**

**—DR. RON WALTERS, HISTORY DEPARTMENT CHAIR**

travel in an age when the nation started to expand westward and how many European superpowers crafted steamers to travel long distances and carried many people.

"[The Titanic marked the beginning of] two century-long revolutions in transportation and communication," Walters said. "[It was the epitome of]

luxury and [symbolized the] defeat of marvels of technology by the simplicity of an iceberg."

The Titanic's complex, wireless telegraph system was used to relay emergency messages to other ships at sea. This system was

refined in the following decades and laid the foundation for modern communication.

"We can recognize the modernity in Titanic... of how the world transformed," Walters said. "After such an explosion in communication, it's now shrinking and compressing."

Lee presented a more focused exploration of the Titanic itself, which was designed by Mr. Thomas Anderson and was one of three cruise ships that comprised the White Star Line. He said that the Titanic was slightly heavier

than most ships at the time, traveled at a maximum of twenty-four knots, and featured top-of-the-line accommodations, especially for first-class passengers. As state-of-the-art as this vessel was, he said that it was doomed from the start due to a volatile mixture of arrogance, ignorance and miscommunication.

The Titanic was led by Captain Edward J. Smith, who thought that his twenty-six years as a sea captain made him immune to shipwrecks. He also irresponsibly ordered the Titanic to travel at dangerously high speeds in a sea filled with icebergs so that the ship could reach New York City in record time.

"Time was money in 1912, just like it is now," Lee said. "[Smith] was a reckless and overly-confident captain."

The ship's crew was also ineffective. The man who was in charge of monitoring the radio line to the crow's nest retired early. He missed the iceberg alert from the crow's nest by five minutes, never relaying the information to Captain Smith on time.

"Eliminate potential 'what if's' by being well-trained and acting quickly in emergencies," Lee said.

The film supplemented both presentations by telling the story of the Titanic's voyage through the perspectives of the passengers and crew members. Although the stories in the movie were fictitious, they were based on real events.

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## NEWS &amp; FEATURES



NATHALIA GIBBS/PHOTOGRAPHY EDITOR  
Students gathered at the Clothing Freecycle event during Earth Week to select from donated clothing.

## Events encourage green living

**EARTH DAY, FROM A1**  
end up in a landfill," said sophomore Becky Spellissy.

"I don't know how anyone could be able to tell the difference between tap water and bottled water," said sophomore Marianne Avari, after sipping from both cups. "I literally just guessed. This was a great way to illustrate how something so simple as carrying a [reusable] water bottle can make a positive environmental impact with no detriment to the individual."

Another popular event was the Clothing Freecycle, also held on Monday afternoon in Levering Quad.

Students were able to select from hundreds of different clothes that people donated. Items ranged from coats, tees and tank tops, sweaters, dresses, bottoms, swimwear, accessories and shoes. Clothes for men and women were available at the event.

"Our Clothing Freecycle event pushes attendees to consider donating unused clothing, and reusing others' unwanted

clothing, instead of continually producing more, new goods," said junior Jacob Wildfire, an intern for the Office of Sustainability. "It was a hit! Hundreds of students came and picked up a free shirt, sweater or pair of pants. I picked up three things myself."

The Clothing Freecycle was sponsored by the Whiting School of Engineering, the Department of Geography & Environmental Engineering (DoGEE), Green Campus Reps and the Office of Sustainability.

"I think it's an amazing way to introduce people to the variety of opportunities for recycling that exist outside of the realm of plastic bottles and cardboard boxes," said sophomore Becky Sturmer.

The Toxic Tour of Baltimore be on Friday at 12 p.m. from Monument Street entrance of Wolfe Street building on the East Baltimore campus. This bus tour will travel around specific city locations in need of environmental clean-up.

The Healthy Planet Festival will be on the Gilman Quad throughout the weekend at Spring Fair. The event will feature smoothies made in blenders powered by bicycles, blood pressure screenings, massages, yoga sessions and live music.

"Organizing on almost all of Hopkins' campuses, we hope to reach a huge population of bright, talented, and passionate students, faculty, and staff," said Wildfire. "Changing even one person's attitude on bottled water, composting, hybrid cars, or food production is a great success. With Earth Week, however, we have the opportunity to inspire thousands."

Bradshaw agreed.

"One of my goals this week is to reach the student who is least likely to care about the earth and convey to him/her the importance of sustainability. If I can convince at least one person that living in an eco-friendly way is crucial to our future, then I will be successful," she said.

## Cultural Block Party draws a crowd

**By NASH JENKINS**  
Senior Staff Writer

The Office of Multicultural Affairs (OMA) hosted its semi-annual Cultural Block Party last Friday, Apr. 13, engaging student cultural organizations for an afternoon of food, festivity, and, adhering to OMA's general credo, the cultural edification of the broader university community.

"It's a celebration of the various cultures of the world that we see at Hopkins," Dr. Irene Ferguson, the director of OMA, said.

Despite the cloudy weather, crowds of Hopkins affiliates and Charles Village residents flocked to the celebration, held adjacent to the Multicultural Affairs Student Center.

Rows of tables lined the sidewalk beneath the center, occupied by student organizations, arts and crafts merchants and, for the first time in the block party's decade-long history, food vendors – part of OMA's efforts to better encompass the Baltimore community. The crux of the event, however, corresponded with OMA's fundamental purpose: to foster a sense of multiculturalism among the Hopkins student body.

Involved parties spanned the global and cultural gamut: the African Student Student Association, the Black Graduate Student Association, the Black Student Union, the Caribbean Student Union, the Chinese Student Association, the Filipino Student Association, the Hong Kong Student Association, the Inter-Asian Council, the Iranian Cultural Society, Japanese Student International, Students Empowering and Education for Diversity (SEED) and the Taiwanese American Student Association

(TASA) comprised the list of Hopkins student groups under the blanket of OMA that occupied tables lining 31st Street, each offering edibles, crafts and exhibits pertinent to their respective heritages.

"There were fewer student groups involved this year, but the turnout – and more importantly, the engagement – of the crowd balanced it out," Ferguson said.

She cited a sense of interest among attendees to partake in the event's element of cultural enrichment – not simply to "eat the food."

"The location meant people would show up, but we were especially surprised to see that people were sticking around long after 7 [p.m.]. It was a real community gathering, and a successful one," she said.

She attributed the success of the event largely to the efforts of its foremost organizer, Joseph Colon, OMA's Assistant Director of Student Transition and Leadership Programs. Colon could not be reached for comment.

In its ten years, the block party has seen developments in prosperity and format, growing from

a marginally-attended event in the Mattin Center a decade ago to a lively event along Charles Village's busiest thoroughfare.

"There were literally people dancing in the street this year," Ferguson said. "Little kids, college students – everyone."

Beyond frivolity, the festival's umbrella of inclusion expanded this year to include campus service and faith-based organizations, as well as purveyors of snacks and other fare from various corners of the globe.

"We look to keep growing this, to keep incorporating the broader community into our celebration," Ferguson said.

Her comment reflects the larger role of OMA, which sits at the front line of Hopkins's efforts for diversity and equity among its student body.

"Our mission is to support the academic success of students from underrepresented populations and to collaborate with others on campus and in the Baltimore community to enhance diversity awareness," Ferguson said. "The festival certainly does a good job of helping our cause."

### CORRECTIONS

In the April 12 issue, in the Opinions article titled, "Open letter concerning new JHU- Mobile application," on A10, Wyatt Larkin was omitted from a list of people who contributed to the JHU-Mobile App.

*The News-Letter regrets this error.*

## Multicultural cuisine for a cause

**GLOBAL, FROM A1**

the event featured cuisine of various cultures, such as Japanese, Indian, Korean, Chinese, Ethiopian, and Italian food. Students received their meal with explanations of the different cultures the food represented.

"I was originally from Hong Kong, so I'm multicultural myself. I thought that this would be a good way to tie everything together," Yap said. "It's always good to get multiple groups on campus involved. And what better to do it than have multiple countries represented and to have people appreciate the different cultures and the diversity we

have on campus."

At the event, MEDLIFE played a video clip that highlighted their cause. The multicultural themed event paralleled the global focus of MEDLIFE's cause.

"[The cause] ties into the MEDLIFE statement by showing that we're actually reaching out to a community abroad, and a community elsewhere and a culture elsewhere in order to help out. That again ties in with the global aspect of this banquet," Yap said. "Our MEDLIFE statement stands for Medicine, Education and Development for Low Income Families Everywhere. I guessed we really stressed the word

'everywhere.'"

The students who attended the event enjoyed the cuisine as well as learning about the dinner's cultural connections.

"It was definitely a crowded event. I think the main draw was the food; people went back for seconds and thirds. The food itself was awesome – there was authentic Ethiopian along with tons of other options," freshman Eliza Shultz said. "MEDLIFE members explained the origin of the food as they served it, which probably contributed to the long lines but also helped to emphasize the global aspect of the banquet."

## Raising trafficking awarness on campus

Students illustrate and personify the struggle that slaves face

**TRAFFICKING, FROM A1**

The week concludes with the Experiential Trafficking Tent throughout Spring Fair weekend, which will depict personal experiences in human slavery. All of these events aim to attract students' attention towards the issue of human trafficking.

"There are more slaves now than in any other point in history and it occurs not only internationally, but also in Baltimore – actually, just a few blocks from campus," sophomore Aaron Chang said as he passed out cards billing the week's events on the Breezeway this past Monday afternoon.

The week commenced by turning heads on the Breezeway as Natalie Tibbels, another HCF staff member, sat against a lamppost at the bottom of the Breezeway, draped in chains with tape across her mouth. She sat in between the tables giving out the barcode tattoos on the Breezeway and in Levering Courtyard. Tibbels symbolized the enslaved population to shed light on their crisis.

Tibbels also explained how he believes that the students at Hopkins have an extremely powerful role in shaping the future of human rights. He thinks that student will go on to play integral role in government, society and policy.

"College students, and especially Hopkins students, are the next generation of leaders," Justin Tibbels, HCF staff member who graduated from Hopkins in 2010, wrote in an email to *The News-Letter*. "They are the people who will go all over the world to take up positions of leadership in shaping future legislation, health care, research and community development. They are the people who will make

and steward money. So it is important that these future leaders are aware of, conversant in, and passionate about people being enslaved around the world. It is our hope that Hopkins students will use their power and influence to change the world for the better, so that our generation will be a free generation. This begins with making small choices now to fight human trafficking in our everyday lives and right here in our city."

That evening, HCF and SEED hosted "Perspectives on Human Trafficking", a forum in Mudd Hall in which students could hear personal accounts of the formerly enslaved.

"The most powerful part of this entire week for me will probably be Margaret, a survivor of labor trafficking," Tibbels wrote. "She shared her story with us during the panel presentation on Monday. At first I had literally thought she was a Hopkins student. She looked like anyone else in the crowd – a 24-year-old Ghanaian woman wearing jeans and a t-shirt. But I was nearly in tears as she told of being trafficked from Ghana to America, being bought for \$4,000 in the airport, and being forced to be a house slave for three years before escaping."

"Human trafficking is real, it's all over the world, it's right here in the United States, and it's people just like you and me," Tibbels concluded.

Starting Monday evening, the student groups hosted a 24-hour prayer in the Interfaith Center Library. Students took prayer shifts, taking turns praying for their cause. About 30 people attended this event, which continued into Tuesday evening.

"We believe that God

is deeply sad and angry about human trafficking, and that he answers our prayers, so we ran a 24-hour creative prayer room in the Interfaith Center Library to pray for the freedom of the captives, justice to the evildoers, and compassion and action from lawmakers, law enforcement, and Hopkins students," Tibbels wrote.

Religion and spirituality have provided the tenor for many of the week's events. On Wednesday night, Christa Hayden of the International Justice Mission, a human rights agency that works with the community to rescue victims of slavery, addressed another audience in Mudd Hall for the event "God and Human Trafficking," a discussion that placed human trafficking in a religious context.

For Tibbels and other active forces behind the week's events, their efforts have proved satisfying.

"We've been very happy with how this awareness week has gone so far," Tibbels wrote. "We have a week of high-quality events and the word is getting out there slowly but surely. We plan on making this an annual cause and hope that it becomes part of the culture of the Hopkins campus to care about this issue. This is the first year we've done something like this on this scale, and it's been a great foundation so far for years to come."

Other events that remain for the week are "Sex+Money Documentary", a viewing of a Human Trafficking Documentary, with a discussion afterwards. This occurs on Friday, Apr. 20 at 8 p.m. in Mudd 26.

The Experiential Trafficking Tent will be available during Spring Fair's operating hours.

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## NEWS &amp; FEATURES

## Song, Schupper, St. Germain, and Doyle elected to SGA Executive Board

ELECTION, FROM A1

a stark change between my freshman year and now. I felt like my freshman year, people knew the SGA, had an idea of what we did. But now, especially because of the turnout, people are actually invested in the social changes that we can accomplish, the fact that we have so many great candidates and the fact that these elections are really something that people want to get involved in. So I think the highest percent turnout ever really speaks to all of that," senior Ardi Mendoza, current SGA Executive President, said.

SGA attributes this historically-high voter participation to a number of things. Song gives credit to an enthusiastic and active freshman class.

"The freshman class this year is very active," Song said. "Last semester, when we had the O-show, I went in and saw the entire Shriver Hall packed, and that's never happened the years before that. So I think the freshman class this year are very active and they have a voice definitely on campus and they wanted to make it heard. So I think that's why they participated in this voting."

The campaigning of the two tickets may have also been a contributing factor to the increase in voter turnout.

"We were pretty relentless with our campaign, to be honest. Probably to the point of nausea... that constant heckling of people, even though at the time it seemed annoying and

troublesome, it got their vote and it got their voice out," Schupper said.

Song, a junior, won 926 votes, 45.71 percent of the votes, to serve as SGA Executive President next year. His opponent, junior Wyatt Larkin, had 845 votes, or 41.71 percent of the total.

"I was exhilarated yesterday, definitely, when the results came out," Song said, when recalling how he reacted to the results. "I was dumbfounded for, like, two seconds. I didn't know what was going on until I called my parents and they celebrated for me, at five in the morning, Korea time."

Both presidential candidates had prior SGA experience, and the results demonstrate that the election was a close call.

"For me, the toughest battle was easily the Presidency position," Mendoza said. "And you'll see through the numbers that they are very close between Wyatt and Moses... [Larkin's] been instrumental in a lot of the initiatives that we have accomplished with the Executive Board and the Student Government."

Nevertheless, Mendoza is optimistic about Song's position on the SGA Executive Board.

"In general he's really big on increasing student involvement in either SGA activities or just school wide activities in general. He'll be a great person to lead the Student Government and the student body," he said.

Since the election, Song has already planning for his term. He has been talk-

ing to Susan Boswell and pushing to include more community service in freshman orientation. In the elections for Vice President, sophomore Schupper took the most votes, with 958 or 47.29 percent of the votes. His opponent, junior Joanna Gawlik garnered 847 votes, 41.81 percent of the votes towards the Vice Presidential elections.

"I think it just shows our dedication toward the Student Government and the student body as a whole," Schupper said, considering his victory in conjunction with those of Song and Doyle's. "I think with three-quarters of our ticket getting elected, it really shows that our persistence throughout this week of campaigning and getting our voice out to the students, letting them know our platform and what we stand for, and I feel like people were really receptive to that. I feel like that really led to the student body believing in us and wanting us to represent them."

The election for treasurer was one of the closest



CATHERINE GEUNTER/PHOTOGRAPHY STAFF

(From L to R); Michael St. Germain, Treasurer; Alex Schupper, Vice-President; Moses Song, President; Paige Doyle, Secretary.

compared to the races for the other three positions. Sophomore Michael St. Germain emerged victorious with 823 votes, 40.62 percent of the votes. Opponents Anna Huang, a junior, and Maxwell Dickey, a freshman, received 792 votes or 39.09 percent and 142 votes or 7.01 percent of the votes, respectively. St. Germain is also the only winning candidate from the Larkin, Gawlik, St. Germain and Schwitzer ticket.

"Obviously, I'm upset," St. Germain said, regarding the other members of his ticket not winning. "I think that it would've been great to work with the people I ran with... I thought I worked best with them. But that being said, we're all adults and we're all good people and I think that ultimately, we'll be able to be an effective Executive Board next week."

Schupper noted that the majority of his ticket winning was a great accomplishment he felt proud of. With immense respect for his opponents, he felt that the election was a tough race.

"I was happy three of us won, if any. Taking down three incumbents this past year is not an easy thing to do. Especially since the exec board has so much name recognition throughout the year," Schupper said.

St. Germain was a top contender for the executive board this year, as the other competitors for treasurer had no prior experience on the SGA and has already made strides for increased sustainability on campus. Schupper spoke on behalf of the rest of his original ticket about St. Germain.

"We are so glad to have Michael St. Germain on our ticket. He's a good friend of ours and he's go-

ing to do some great things next year," Schupper said.

In the secretary elections, Doyle, a sophomore, took 50.54 percent of the votes for secretary with 929 votes while Debra Schwitzer, also a sophomore, received 828 votes or 45.05 percent of the votes. Next year will be Doyle's first year involved in SGA.

"I'm really excited to get involved and get to know all of the different people who are on it as well as being able to get my ideas heard. For me, it's more of a way to figure out what it's all about. I'm coming as less SGA-experienced than the rest of my ticket," Doyle said.

The SGA is also eager to see what Doyle will do as a leader of the student body.

"It will be really exciting to see what she has to accomplish next year being elected as secretary," Mendoza said.



COURTESY OF WILL VERDUZCO

Hundreds gathered in the heart of Homewood on Friday night to raise proverbial arms against cancer.

## Relay illuminates Keyser Quad

RELAY, FROM A1

after the survivors took the first lap around the track.

As a part of the Celebrate Ceremony, there were four speakers who talked about their experiences with cancer. A variety of speakers, from students who have battled cancer to older survivors from the Baltimore Community, addressed attendees. All of them expressed their appreciation for efforts, such as Relay for Life, and their hope for the future.

The Remember Ceremony, also known as the Luminaria ceremony, was a somber time of the evening, when everyone in attendance came together and remembered the reason for this event, and those that had lost their lives. The Fight Back Ceremony, the closing ceremony, was to remind everyone that there are always ways to support cancer patients.

There were paper lanterns, or luminara, all along the track, stretching from MSE to Gilman Hall. Each luminaria was in honor of someone who battled cancer. The bags were lit after hearing a cancer survivor share his or her story.

"My favorite part of Relay was the Luminaria ceremony where everyone comes together to honor and remember the people who have been touched by cancer. Everyone's names

of the cancer victims are put on a luminaria bag, and the whole quad lights up. It looked beautiful," Paulina Munoz said, a freshman member of the Relay For Life Committee.

There were a variety of performances throughout the night, including the All Nighters, The Octopodes, The Vocal Chords, The Sirens, The Mental Notes, S.L.A.M. and many others.

"One of our favorite activities is the Miss Relay Pageant where guys from the teams dress up and have a beauty pageant. Whoever raises the most money is the new Miss Relay," sophomore Rose Schrott said, who is the Co-Chair for the event.

"Personally, I think the worthiness of a cause like this is unparalleled. Too many people are being diagnosed with cancer from childhood to old age; the disease doesn't discriminate. This is why it is truly so important for people to come together as a community at events like Relay For Life so we can raise money to support research and patient services, and one day find a cure," Schrott said.

The all night event attracted members from the greater Baltimore community and a large turnout of students. In addition to the entertainment, there were a few fraternities that

had booths to show their support for the cause. Phi Mu, SAE, Beta and Phi Delta Theta all were in attendance. Each booth was collecting money for the American Cancer Society. Phi Delta Theta used a dunk tank to raise money.

"The planning and organizing to get all of these groups coupled with all of the logistical tasks were probably the most challenging aspects of organizing the event, but we have a great committee that was able to tackle it all," Schrott said.

The Relay For Life committee had been working on this event since the fall semester, as it was their biggest and most important event of the school year. The event ran smoothly, and all of the members were happy with the turnout.

"It was really great seeing everything come together after working all year towards this event. It was nice to see everyone come out and support the fight against cancer," Munoz said.

A majority of the students said they enjoyed the night and would come back to this event next year.

"I would definitely go to relay in the future because it was so inspirational to see my fellow classmates as dedicated as I was to the cause," freshman Megan Carney said.

FAS, FROM A1

skinny buffoon.' True story," Gibbs said. "In fact, I'm now about 15 pounds closer to the auspicious title 'Skinny Buffoon.' Ironically, I kept that postcard on my desk in my time there because I wanted to ensure some sense of humility."

He also discussed hurdles the Obama administration has faced since their election in 2008. At the time of his appointment, the country was losing 7,000 jobs a month, in the throes of the first months of the housing foreclosure crisis.

"The country was facing circumstances unlike any we've seen since the Great Depression. It was nothing short of an economic calamity," he said.

Gibbs addressed the difficulties of dealing with issues within the administration, including the fallout of General Stanley McChrystal, who resigned from the position of top commander of forces in Afghanistan after making controversial comments towards Obama administrators in a Rolling Stone magazine interview.

"Some of what McChrystal said was simply unflattering, and so we immediately saw the Chief of Staff, called the President, and a couple of days afterwards the president made the tough decision to change leadership in Afghanistan," Gibbs said.

With the next election approaching, Gibbs shared his opinions on the race. He believes that it would be a very close and "extremely important" election and nothing close to the landslide victory of the 2008 race.

A question-and-answer period followed the lec-

ture. When asked to describe a favorite element of his job as Press Secretary, he referred to both the company and the responsibility.

"First and foremost, the people that you get to work with each and every day are remarkable. And to be involved in trying desperately to try to fix our country's most enduring problems and to be able to serve the public is really the highest honor that I think you can have," Gibbs said.

He also admitted that there was a certain adjustment period in acquiring his position on Capitol Hill.

"I still remember that first time, walking down from my office, through the ramp and walking into a room [the Oval Office] that was much smaller than it was on TV. One voice kept saying 'I can't believe I'm really doing this' and another voice said 'focus on the questions.'"

From his experiences in politics, Gibbs underscored the necessity of tolerance in today's society rather than closed-mindedness.

"I fear that in a time in which we probably need more than ever to understand the viewpoint of others, we tend each night to re-emphasize or strengthen the beliefs we already hold. It is a barrier and we need to give that up in order to gain perspectives about where the other side is coming from," he concluded.

Amidst the anecdotes, the message of balance appeared to resonate with the audience.

"He had a good message. I liked how he talked about how it was more about the compromise and

not about the extremes," freshman Dev Patel said.

Sean White, a freshman who admitted he did not support the Obama camp, agreed with Patel.

"I was surprised at how non-partisan he was," White said. "He was very reasonable in characterizing both Republicans and Democrats in terms of not always being understanding of the other side. I thought something really interesting he said was how on a lot of TV news stations, they talk more about the politics of an issue than the policy itself. It was very interesting, and very true. He used the healthcare example and he's definitely right... I don't know most of what's in [the healthcare bill] because news stations mostly talk about the politics of it."

Patel and White were among the event's sizeable audience, which also included former senator Paul Sarbanes, who represented Maryland from 1997 until 2007.

Junior Eleanor Gardner, one of FAS' three Executive Directors, celebrated the neutrality that Gibbs brought.

"The Foreign Affairs Symposium strives to provide a politically neutral symposium and I believe that Robert Gibbs was the ideal speaker to end [this year's series]. Though a member of the Democratic party, he highlighted that our differences in political ideologies are often not so great and it is important that, as a nation, we stop polarizing ourselves along a political divide in order to find the values and beliefs that we agree upon."



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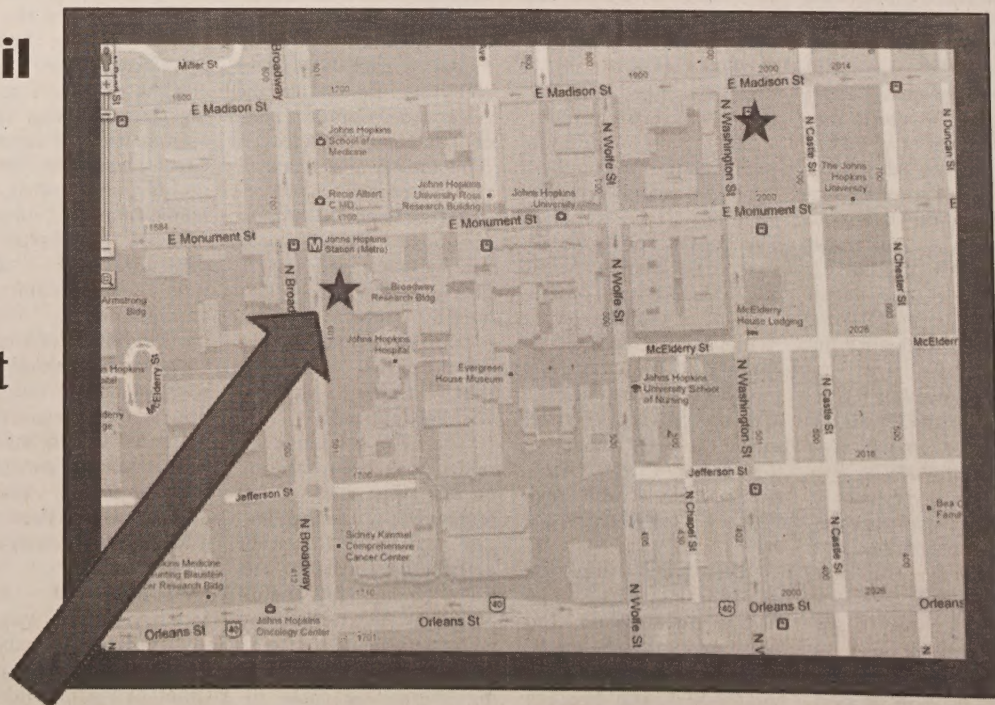
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## A Hopkins graduation bucket list

A collaboration from an anonymous handful of seniors

- **Mudslide (or slip and slide) down the beach**
  - *Have a conversation with President Daniels*
  - **Eat blue crab at a famous crab shack**
  - *Tell someone its John's Hopkins one more time*
    - **Paddle boats in the harbor**
      - *Go visit Fort McHenry*
    - **Take a trip on the Pirate cruise**
      - *SWEET LIFE FESTIVAL!!!*
- **D level challenge/Gilman Bell Tower**
  - *Just make it up to the Gilman Bell Tower*
- **Explore the underground tunnels**
  - *Attend the ambassador brunch*
    - **PowerHour**
      - *Buy rounds at PJ's*
    - **Rafting in the Susquehanna**
    - *Hubcap margaritas at Nacho Mama*
    - **Road trip it to AC**
      - *Road trip it to DC*
- **Get retweeted at by Hopkins Security**
- *Buy someone less fortunate a Chipotle Burrito*
- **Get banned from a restaurant**
- *Get my picture on the wall at CVP, PJs or Maxies*
  - **Run to Towson**
    - *PREAKNESS!!!*
  - **Pete's Grill, enough said**
  - *Go to Miss Shirley's for Monkey Bread*
  - **OCEAN CITY!!!**
  - *Watch a movie at Landmark Cinema*
  - **Pull an all nighter . . . not!!!**
- *Suck it up and wait in line at Blue Moon Cafe*
- **Get into Charm City Cakes somehow**
- *Play "Call me Maybe" on constant repeat at PJ's*
  - **Dress up as a pirate to class**
  - *Cook my own Uni Mini sandwich*
  - **Guest bartend at PJ's**
- *Sing and dance at the Korean Karaoke Bar*
- **Take a nap in the tulip garden**
  - *Run the bases at Camden Yards*
  - **Drink a 30 of Natty Boh**
- *Take the Charm City Circulator to Fed Hill*
- **Visit The Walters Art Museum**
  - *RA Sushi happy hour*
- **Pet a dolphin at the aquarium**
- *Buy stuff at the Waverly Farmer's Market*
- **Watch an O's game at Pickles Pub**

## Tweets of the Week

Ryan Kahn



COURTESY OF WWW.YOUTUBE.COM

Tupac's live performance via hologram is a hit both with the Coachella 2012 audience and online.

It is really awesome to watch Tupac's hologram perform live at Coachella 2012. The technology is cutting edge and imaginative (he almost looks real) and it was a really great idea, judging from the crowd's reaction and its popularity online.

As if the hologram wasn't already cool enough, Snoop Dogg comes on stage and performs with the rap legend.

Snoop makes the hologram look even more realistic and both perform in tune with each-other.

There have been talks of perhaps a national tour of Tupac's hologram. It will be interesting to see how this is received and whether it will be popular. There even emerged a fake Coachella 2013 hologram lineup headlined by Jimi Hendrix, The Beatles, and even Mozart.

It will be really great to see how this "hologram concert" will grow in the future. I imagine it can be very successful if it incorporates popular live acts as well.

Whether you are a Tupac fan, wish you had gone to Coachella, or just want to see something really cool on youtube that everyone has been talking about, I highly recommend watching this video.



COURTESY OF WWW.SHORTLIST.COM

The magazine's top 30 list of female heartbreakers recently came out

It's a funny thing when a girl breaks a guy's heart in a movie because we often feel as if it were happening to us. Time and time again, we hope for the relationship to last, the love to continue, and the sparks to continue flying. Shortlist.com just released a great list of their top 30 female heartbreakers of all time in the movies. Here are my top three from the list:

### 1). Vesper Lynd (Casino Royal) - played by Eva Green

The female lead must always fall for James Bond, that's just how the universe works. It throws us for a twist when we find out Vesper was originally out against Bond (Daniel Craig). However, she soon comes to her senses and begins to fall for the international spy, but was sadly too late.

### 2). Alex Goran (Up in the Air) - played by Vera Farmiga

If you have seen the movie then this garners no explanation. Vera epitomizes the role of a heartbreaker, and for once, we actually feel bad for George Clooney.

### 3). Summer (500 Days of Summer) - played by Zooey Deschanel

If you have a heart, then it is difficult not root for Joseph Gordon-Levitt in this film. It hurts to see him fall madly in love, only to get his heart ripped out, and then fall madly back into love, only to get his heart ripped out again! But it's hard to blame Summer for this, she "knew what she wanted." Gordon-Levitt is the true winner in the end however, as he goes on to meet Minka Kelly (Autumn).

### 4). Katniss Everdeen (The Hunger Games) - played by Jennifer Lawrence

This is my write in, I think she should've made her way onto the list. Though it's discussed further in the novel, Peeta saves her life multiple times, yet she is still falling for Gale (or is she just confused?) This is the ideal version of "it's complicated". It will be interesting to see if the film series will use a Team Jacob vs. Team Edward type of twist in the future.



BUT ALSO observations, rants, lists, thoughts, feelings, missed connections, haikus, confessions, furtive glances and, of course, sex.

# Putting on weight properly requires the right training and good eating habits

Stepping away from trying to lose weight, let us divert some attention to those who want to put on a few pounds. Insofar as pure technique, calorie for calorie, nobody knows how to eat healthier than a bodybuilder. With carbs and protein measured to precise grams, bodybuilders have perfected not only weight training but eating to an art. Limiting the amount of food intake requires immense discipline so surely eating 5000 calories must surely be... well, a piece of cake.

Not necessarily so. What may ultimately be as hard as losing weight is correctly gaining it. Many forms of training exist to add mass to your body. Many of these forms happen with weights and some sort of resistance-focused exercise inducing strenuous muscle contraction. One important notion to remember is that bodybuilding, strength improvement, and mass addition is not about lifting weights. It is about training muscles.

Consistently training at seven or fewer reps with heavier weights may feed your pride in the gym, but it won't build as much muscle as moderate reps with moderate weights. Your goal is to achieve the highest quality of contraction on every rep of any given set. Keeping that in mind, there is no rule that says you must use the same oversized dumbbells every time. What you should try to do every time is pick a weight and work a muscle until failure with while employing strict form.

There is a reason to push yourself the overwhelming burning sensation during the last few forced reps of weight training. As your muscle begins to fail, more

blood is pumped to that area with nutrients to fuel those cells. As blood rushes in, those cells become enlarged and expand in volume. This is called Hypertrophy. Without it, your progress will simply be too slow to show visible results and in due time your motivation may give out quicker than your arms.

In this light, we must remember that no exercise is worth it if it never reaches a certain intensity. Most types of training

will work provided you do it with intensity. This train of thought includes German volume training of picking one set of moderate weights and performing the same exercise over and over or Dropsets that change the weight every set to introduce maximum variety and muscle confusion. One technique to introduce maximum hypertrophy is to warm up, max out first, and then continue with moderate weights.

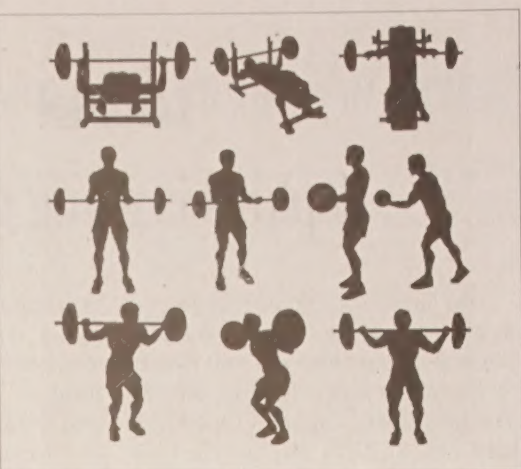
What this doesn't mean that you need to jerk a barbell above your head. In fact, if you have any experience with weight lifting, the more slowly you do an exercise, the more difficult it is. The bottom line is that

everything must be done deliberately. Just as lifting must be done in a completely controlled fashion, much more so is eating to gain weight. Most common is the misinterpretation that one can eat anything during a bulking phase. In other words, if you eat chicken tenders and fries many times a week, although you might be adding muscle on top of your bones, it will be hidden under a layer of fat, giving the appearance of no net results. What must be done is carefully construct and tailor a diet that dumps calories into rebuilding muscle fibers that have been destroyed by exercise, balancing nutrition levels and minimizing the deposit of food as unused energy.

Eat lean, eat frequently and eat small. Don't ever put yourself into a state of sleepiness after binging. That simply works against you in every way. A standard that many trainers advise is consuming one gram of protein per pound that you weigh. Similarly, consume two grams of carbs per pound of your weight. If after time, things are plateauing, try one and a half grams of protein and three grams of carbs per pound of your weight. It differs with each person but most people can and will benefit from this ratio.

So what would a typical high-intensity routine look like? As an example, the chest is one of the easiest muscle to imagine a contraction. The more you squeeze and bring your shoulders inward, the tighter the contraction.

A proper chest workout requires you to feel and force that squeezing at the peak contraction phase of your exercise for one to two seconds before beginning another rep. Feeling a contraction in the back is sometimes harder but the following exercises should easily target the area. It is no mistake that all of the following exercises involve free weights or cables as they allow maximum range of motion and stretch.



COURTESY OF MUSCLE FITNESS TIPS  
A variety of different exercises is best for cardio and muscle building.

## Think twice when a guy buys you roses

*"I hate roses. They're evil and artificial like fake boobs."*

My roommate expressed this sentiment a few weeks ago. Yeah, it's pretty bizarre, but she makes an interesting point. For those of you who are partial to roses or have ever endeavored to adopt a pair of the silicon twins, hear me out.

Let's start with one disclaimer—I personally don't hate roses. Like most girls, I think they're romantic. Why? Same reason any other girl thinks so. Men only bring them around when they want to express... well, romance. I guess there's the core of the issue with roses. They're completely cliché. My theory is that the tradition started when a man spied the thorny piece of vegetation and said, "That looks delicious!" and then

proceeded to gnaw on the stem until he realized that the gesture made women want to tango with him.

So what does this have to do with breast implants? That's an excellent question. And the answer is nothing. Roses are pretty unoriginal as a loving gesture, but they do cost a lot, so men only went around purchasing a dozen when they were feeling super romantic. Like, I'd-die-for-you romantic. That sounds pretty un-artificial to me.

So with all this undying love, how could roses be evil? I'm fairly sure most of you are aware of this, but roses have THORNS. And unless you're the architect that decided to plant a row of thorny bushes along the McCoy sidewalk, you're probably also aware that these things hurt! Have you ever been speared by one of these prickly fiends?? I haven't, but I'm sure they're awful.

Also, wasn't there a symbolic rose in *Beauty and the Beast* that caused all the kidnapping and mayhem and such? And what about the rose that the evil President Snow wore in the *Hunger Games* trilogy? And what about the famous Rose Garden at the White House? Yeah, no, I'm just kidding. That one is fine.

Now here's a real spooky connection: roses are red just like apples. And apples show up in all sorts of evil ways like on the book sleeves of popular vampire dramas and as sedatives in stories such as the one about a beautiful maidens who cohabitates with seven dwarves. So much evilness!!

So are breast implants evil, too? Yes. Think of all the back problems!! And then there are the really unfortunate times when they rupture (which requires extra screening procedures to prevent) and cause other sorts of havoc like pain, misshapeness and scarring! I don't know about you but I'd rather spend that money somewhere else.

Here's the thing, I really don't care for artificial breasts. I think they are a dangerous cosmetic remedy easily taken care of by a gift card to Victoria's Secret. I do like roses however. I think they're nice. If you're looking to date my roommate, however, stick with tulips.



Sophia Gauthier  
*So They Say*

This is a reaction column to the bizarre college student quotes that sometimes make it past our mental filter, so stay witty! (Seriously, I might run out of ideas.)

# The later days of Sonic Youth are still great and worth a listen

Rather Ripped (2006) & The Eternal (2009)

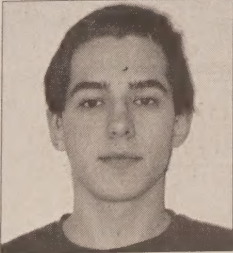
Their last two albums mark Sonic Youth's transition towards more "pop-like" songs. By pop, I mean take everything they have done in their career—the noise solos, instrumental parts, the dissonance, the chord progressions, the harmonics, etc.—and organize it into strict song structures. This gives the songs a more traditional and stereotypical "rock" sound and "catchiness." Being in their late forties to early fifties by this point, they have matured as musicians and this can be seen in the tone, timing, and speed of the songs.

Although Jim O'Rourke stops working with them after Sonic Nurse, Mark Ibold joins, playing bass on *The Eternal*. His bass lines definitely add some character to each song; this is especially heard in the song "Calming The Snake."

*Rather Ripped* and *The Eternal* are both solid albums. Although not as good as *Murray Street* or *Sonic Nurse*, they are not

trumped at all by the previous two as they cover different relative musical grounds. "Incinerate" off of *Rather Ripped* is probably their most popular song of all the material they released in the last decade. If asked which is better, I would have to say though that *Rather Ripped* is the better album. They utilize this odd Eb major 7 tuning that they never used before. It gives the guitars a great tone and comes out very well in the songs. *The Eternal* seems a bit recycled and at times a little too simple or redundant.

Well I have reviewed every album in their discography. If you are very brave music listener, Sonic Youth also released these SYR albums on the side, most of which are instrumentals and very avant-garde in nature. So just be wary. Sonic Youth has had an extensive go at it, so I'll just finish it with these words: I hope you find at least one song out of this that you like and that you recommend Sonic Youth to others. Few bands have a musical legacy or career like theirs, so keep that in mind.



Alex Hurowitz  
*Tonespoon*  
A history and analysis on the current state of music



COURTESY OF FROMTHEBASEMENT.TV (TOP) AND CLASHMUSIC.COM (BOTTOM)  
Sonic Youth jamming when younger (top) and a more modern picture of the band (bottom).

## Recommended Tracks from the later Sonic Youth albums

"Reena" — <i>Rather Ripped</i>	"Pink Steam" — <i>Rather Ripped</i>	"Walkin Blue" — <i>The Eternal</i>
"Incinerate" — <i>Rather Ripped</i>	"Antenna" — <i>The Eternal</i>	"Massage the History" — <i>The Eternal</i>
"Jams Run Free" — <i>Rather Ripped</i>	"Malibu Gas Station" — <i>The Eternal</i>	



THE JOHNS HOPKINS

NEWS-LETTER

PUBLISHED SINCE 1896 BY THE STUDENTS OF THE JOHNS HOPKINS UNIVERSITY

Editorial

Hopkins is going greener

The Hopkins community joined in on national Earth Week celebrations, holding more than 40 events to highlight sustainability efforts. The initiative — named One Hopkins, One Earth — displays the University’s commitment to green energy through a series of seminars, recycling drives, movie screenings and much more. A couple of specific events included the Take the Tap Water Challenge, in which students attempted to differentiate between bottled water and tap water, and the Toxic Tour of Baltimore, which took students and faculty on a bus ride to visit city locations in need of environmental cleanup.

This page emphatically supports One Hopkins, One Earth, and commends student groups on campus for underscoring the importance of sustainability efforts.

The sustainability movement is not only advantageous to the health of the environment, but it is also a vital supplement to the educational process of the University. It instills in students the notion that education is not a private endeavor, but rather a public project. Many students at Hopkins receive federal funds which allow them to study, and by working to provide a cleaner and more stable future, students are ensuring that society receives a return on its investment.

What’s more, the sustainability movement is crucial to rounding out a student’s education. Problem sets and textbook readings, though necessary, are abstract and intangible. But by engaging in efforts to make Hopkins greener and more sustainable, students have the opportunity to test the critical thinking and problem-solving skills their professors preach about during lectures. This type of service-learning is indispensable, and instills in students a deeper understanding of useful education.

In this tough economy with energy prices continuing to climb, sustainability efforts must be given our full attention. By updating our buildings, infrastructure and transportation systems, we are receiving immediate returns in cheaper operating costs. By throwing less money into dirty energy technology, we have the opportunity to invest more heavily in actual education, renovating research labs and increasing development on our campuses.

Additionally, sustainability has proven to be a top priority for students at Hopkins. The recent SGA Elections focused heavily on efforts to rid the University of polluting and antiquated technology, and students continually voice their desire to see cleaner practices here on campus. With One Hopkins, One Earth, students’ demands are beginning to be met.

Nathalia Gibbs



LETTERS POLICY

The Johns Hopkins News-Letter welcomes letters to the editor. Letters must be e-mailed to [chiefs@jhnewsletter.com](mailto:chiefs@jhnewsletter.com) for inclusion in a Thursday issue. All letters received become property of The News-Letter. The News-Letter reserves the right to edit for space, grammar and clarity. Letters must include contact information and cannot be anonymous. The News-Letter reserves the right to limit the number of letters printed.

Human trafficking affects Maryland

This week saw a series of events on campus designed to draw attention to the issue of human trafficking. The series, entitled “My Generation Will Be Free,” was sponsored by the Christian Fellowship and SEED. It included a number of events with a religious focus, such as a 24-hour prayer session and a discussion of God and human trafficking. These were also accompanied by a number of speaker events and other efforts to raise awareness.

This page agrees that human trafficking is an important and often overlooked subject on campus as well as in Baltimore and around the world. The use of a religious context to examine the issue is an interesting choice, and this page looks forward to seeing if these events lead to any further action to combat human trafficking.

Maryland has made some recent strides toward addressing this problem, but continues to fall short in many respects. In 2007, trafficking minors became a felony crime, but trafficking adults remains a misdemeanor, as does abducting a minor under the age of 16. An initiative to allow posting of information for crisis hotlines for trafficking victims at truck rest stops, bus stations and similar locations only narrowly passed the state legislature.

Other bills still under consideration include efforts to allow

those who have been trafficked to seek compensation as crime victims, to change abduction of a minor under the age of 16 to a felony, and to declare that a suspect charged with sex with a minor cannot use the claim that they did not know the victim was a minor as a defense.

Efforts to pass a law allowing for the seizure of the assets of convicted traffickers have repeatedly failed in the Maryland legislature, although similar laws exist regarding the assets of convicted drug traffickers.

The National Human Trafficking Resource Center received 265 calls from Maryland in 2011, although it was only able to confirm 22 victims. Of those calls, a majority came from Baltimore.

Since last fall, the FBI has also rescued 16 minors forced into prostitution.

These numbers represent only a small number of the victims caught up in trafficking rings. They reflect the difficulties law enforcement faces in addressing this problem and the challenges inherent in finding and assisting victims.

Hopkins students can tend to stay within the protective bubble of the University, but maybe if we move toward a greater sense of community with our adopted city, we can also move toward becoming a greater voice for needed change within it.

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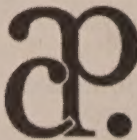
THE JOHNS HOPKINS NEWS-LETTER

The Gatehouse  
(on the corner of N. Charles Street and Art Museum Drive)

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# OPINIONS

*With the exception of editorials, the opinions expressed here are those of the contributors. They are not necessarily those of The Johns Hopkins News-Letter.*

**Megan Crants**

## Allergies worsen as the earth warms

Spring is finally here. But while some are focused on the blossoming flora, others are preoccupied with devastating allergies and asthma. Springtime has always been a predictable time of triggers, but this season is anything but predictable.

With the shortening of spring, victims of allergens have been left to wonder when their bodies will start responding negatively to the environment. Scientists have noted that allergens such as pollen and ragweed are appearing earlier than usual, even before the official start of spring. This phenomenon has been attributed to rising global temperatures and greenhouse gas emissions, which seems especially prevalent in the upper latitudes of North America, where states such as Texas, Arkansas and Oklahoma haven't experienced significant warming.

The extended period of warmth allows allergens to escape into the air earlier with increasing intensity. A study conducted by the National Wildlife Federation found that if the spring season starts 30 days earlier than usual, there will be a 54 percent increase in ragweed pollen. This increase will make it more difficult for those with allergies to withstand allergy season and might even create new problems for those who were previously allergy free.

Hopkins students have an especially tough time during allergy season, since Baltimore is one of the worst cities to live in for environmentally sensitive individuals. The city ranks 46th in the 2011 annual list of worst allergy cities in the United States and 58th in the list of worst asthma cities.

Baltimore has the highest pediatric asthma hospitalization rate in the state of Maryland and one of the highest ratings in the country. Around 28 percent of city high school students have been diagnosed with the chronic disease, whereas only 20 percent of students nationwide have received the diagnosis. Baltimore is in the 90th percentile for carbon monoxide and nitrogen oxide emissions and has an average air quality index in the 70 to 80 percent range, classifying it as one of the dirtiest cities in the United States. What's more, Baltimore failed to meet the national ambient air quality standard for ozone.

These unsettling statistics are most likely due to the fact that Baltimore has one of the longest commuting times in the country which leads to terrible air pollution. When cars sit on the highway for longer periods of time, more emissions enter into the air. Baltimore's factories are also deleterious to air quality in the city.

What can those of us who are sensitive to changes in the environment do to prevent spending another spring season in bed – sick and suffering? Check the air quality index and pollen and mold count before planning outdoor activities, stay away from high traffic areas and try to plan outdoor activities later in the day to avoid peak pollen times. If you cannot avoid being exposed to bad quality environmental triggers, take allergy or asthma medication 15 to 20 minutes before venturing outdoors and make sure to wash yourself of all pollen and other triggers upon coming back inside.

*Megan Crants is a sophomore Cognitive Science and Writing Seminars double major from Nashville, Tenn. She is the science columnist for The News-Letter.*

**Bayly Winder**

## In a region of global concern, Yemen teeters on the brink

As the Arab Spring has swept across the Middle East, many countries have fallen into a chaotic and violent mess. Cries for reform in Damascus and Manama have been answered by brute force, and the American media has obsessively reported on the fragile situations in Syria and Egypt.

But what about the Republic of Yemen?

Once a global center of trade and prosperity, today's Yemen is on the verge of civil war and in a state of economic ruin. One would be hard pressed to find a nation riper for upheaval or collapse – a place with so many fundamental problems.

And this is not merely a regional concern. Yemen occupies the southernmost portion of the Arabian Peninsula, bordering crucial waterways and the most important oil supplier in the world. The Gulf of Aden, which cuts between Yemen and Somalia, is notable for two reasons: it is the global capital of piracy and it is one of the primary global sea routes for petroleum transport. Yemen's neighbors are Oman and the enormously important Kingdom of Saudi Arabia.

The only Arab member of the G-20, Saudi Arabia is home to the earth's largest oil fields and the crown jewels of Islam – Mecca and Medina. Saudi-Yemeni ties have been strained by territorial disputes and political tension in the past, and remain problematic today. Last month, in an attempt to prevent further unrest in Yemen, Saudi's King Abdullah announced an aid package to Yemen consisting of enough oil to last two months. Clearly, the Saudi leadership is deeply concerned with the turmoil in the Yemeni capital of Sana'a.

With a population of approximately 25 million, one of Yemen's chief issues is demographic. The Yemeni people are young, fragmented and poor. Religious and tribal cleavages practically guarantee that Yemen will remain unstable for years to come. While the southern portion of the country is primarily Sunni Muslim, the North

Despite government crackdowns and American drone strikes, al-Qaeda's presence continues to grow. To say that Yemen is an ideal terrorist hideout is putting it mildly.

The majority of the Yemeni government's revenue comes from oil. Yemen exports 105,000 barrels per day, but that supply is dwindling and alternative

out of water, in as little as five to 10 years. When Yemen runs out of oil and water, it is difficult to imagine how this impoverished population will manage to avoid a humanitarian crisis of daunting proportions.

After 33 years of dictatorial rule, President Ali Abdullah Saleh finally gave in to public pressure and stepped down earlier this year. On February 21st, Saleh's second-in-command Abd Rabbuh Mansur Al-Hadi was elected to take over. The results suggest, however, that the voting process was more of a formality than anything else – Al-Hadi received 99.8 percent of the votes. Clearly, Saleh's departure has not meant the departure of an authoritarian regime. Ironically, though, President Obama sent a letter to the new leader which applauded the peaceful transfer of power.

The letter also emphasized the necessity of continuing to combat terrorism, which continues to plague the country. On April 9th, insurgents with links to al-Qaeda attacked a military camp in southern Yemen, killing 23. On April 16th, a roadside bomb killed three children on their way to school in a southeastern province. This grim portrait leaves little hope that peace can be restored in the foreseeable future.

Anxious American and Saudi policymakers look on as the frail Yemeni government tries to maintain its sovereign control. But until strict gun control and anti-qat laws are enacted, there is little doubt that the Yemeni cup is half empty.

*Bayly Winder is a sophomore Political Science major from Princeton, N.J. He is the Middle East columnist for The News-Letter.*



COURTESY OF WWW.COMMONS.WIKIMEDIA.ORG  
Ousted Yemeni president Ali Abdullah Saleh met with President Bush in 2007. Yemen is crucial to U.S. foreign policy.

is mainly Zyadi Shia. Tribal competition is fierce, in a land where rough terrain and isolated areas result in a collection of fiefdoms vying for influence. The two most prominent northern tribes, Hashid and Bikal, often face off with the national government. To make matters worse, Houthi insurgents have taken control of multiple governorates.

Not only are Yemeni citizens frustrated and divided, but they are also incredibly well-armed. In 2002, the Interior Ministry estimated that there were 60 million firearms in Yemen. Much like nearby African states such as Somalia, men walk the city streets with AK-47 rifles slung over their shoulders.

This is of course advantageous for the myriad terrorist groups that operate in Yemen.

sources of income are negligible. The economy is underdeveloped and stagnant. The GDP per capita is \$2,500, which ranks 181st in the world. The unemployment rate is 35 percent, once again ranking 181st.

One reason why the workforce is especially unproductive is because of a narcotic called qat. The plant, which induces a state of euphoria, is chewed by a whopping 90 percent of Yemeni men and occupies its users for an average of six to eight hours a day.

One of the most devastating effects of Yemen's qat addiction is felt in the water basin of Sana'a. Qat irrigation accounts for 43 percent of the nation's water consumption and scientists predict that it will be the first country in the world to run

## Why students shouldn't donate for the Senior Class Gift

By GALEN DRUKE

The senior class has been under attack for the past five months. Unique from the regular bombardments of schoolwork or nagging parents, we have been subjected to a firebombing of phone calls, Facebook reminders, emails and social functions intent on receiving donations to the Hopkins Fund. This assault is being conducted in the name of the Senior Class Gift, and after five months, it has achieved success with 286 students. I am not one of those students. Allow me to explain why.

The literature that we have been sent during the past months gives six reasons why we should donate to the fund. Among these are that, "The giving participation rate [of graduates] is an important indicator in the *U.S. News & World Report* rankings," and that, "Our peer institutions have senior class giving rates of 20 to 40 percent higher than Johns Hopkins."

I disagree with these as reasons to donate to the Hopkins Fund for two reasons. First, if the percentage of students that donates demonstrates the level of respect, loyalty, or positive feelings that graduates feel towards their institutions (as its consideration in rankings would suggest), then there is a problem at Hopkins that goes beyond the simple decision to give 20 dollars on the way out the door.

Perhaps students are unhappy here or perhaps don't respect this institution. Launching a campaign that changes the

senior class gift from a school improvement to a donation collection in the name of these rankings is simply combating a symptom of a more deeply rooted issue. I suggest instead that this energy be focused on creating an institution that inspires respect and loyalty in its students. Which brings us to the question, and my second point: how interested are we in pursuing what *U.S. News & World Report* defines as meaningful?

In an attempt to play the game that *U.S. News* has designed, it has been decided that instead of pooling money to fund something that we see as bettering the school, we are being asked to donate money to the fund.

The senior class gift committee has even disparaged the idea of pooling money to buy "something tangible," quipping that such purchases would only amount to "a bench or a flagpole." Far from a flagpole, let me remind the senior class gift committee that the Class of 1998 used their money to create Café Q.

The senior class gift is meant to encourage a student led collaborative and entrepreneurial search to better the school in a way that each class finds meaningful. Our class is instead being encouraged to leave our mark on the coffers of an institution that has already seen a nice chunk of our change. And instead of collaborating, we are told to give to the individual club or department of our choosing. If we are going to forsake our collaborative, entrepreneurial opportunity in the name of *U.S. News &*

*World Report*, an opportunity for senior class input would have been appreciated.

My hunch is that the Office of Alumni Relations has more to do with this decision than the members of our class and that it is this same "run this academic institution like a business" mentality that is responsible for the emphasis on administrators over academics, showy buildings over departmental development, and childish PR plays over meaningful communication with prospective students.

In speaking with my fellow seniors about donating to the Hopkins Fund, the most common objection has been simply that we already pay an exorbitant amount of money to receive our education, which many of us will continue to pay for into the foreseeable future. The literature that we receive, however, tells us that our tuition fees cover only 70 percent of our education, but we are never told where our tuition money actually goes. If this figure is correct, then this University is grossly inefficient. I am uninterested in helping to maintain a decadent bubble of billowing costs and the emerald lawns and "all-you-care-to-eat" buffets that go along with it. I signed up to take part in a serious education, not a country club.

On the topic of country club, Hopkins is cultivating a paternalistic culture within the student body that is deleterious to the institution as a whole. It is no secret that money can buy you a place at an elite institution, and while the encouragement of a donation does not in itself promote that, we should be mindful of the institutional culture we condone. At the launch party for the Senior Class Gift, a friend of mine even claimed that he would donate to Hopkins annually until his

children are admitted.

At the suggestion of another senior I've spoken with on the topic, if we are going to donate money to a cause, particularly given the state of the economy, is Hopkins really the place our money should be going? As he put it, "Think of the marginal utility of 20 dollars for Johns Hopkins; it would be much more useful elsewhere." While I don't think marginal utility should always be the rule of thumb for deciding where to donate one's funds, considering the amount of money we have already paid Hopkins and the already plump state of Hopkins' finances, I would feel much more comfortable sending my 20 dollars elsewhere.

On a final note, I understand that seniors have the option of directing their donations to help students whom Hopkins may not otherwise be able to, and I must make myself clear that I deeply value the provision of such financial aid. From what I have been told by members of the committee, however, making Hopkins a possibility for a greater number of students is not the goal of the Senior Class Gift. It is simply a ploy to cater to the *U.S. News & World Report* rankings and to create a paternalistic circle of donors that will continue to provide Hopkins with lifelong donations.

So let's be clear in understanding that these are the trends and values we are supporting by donating to the Hopkins Fund, and let's ask ourselves if we are satisfied with these aspirations. I, for one, am not. My 20 dollars will be going to the Maryland Food Bank.

*Galen Druke is a senior International Studies and Italian Studies double major from Cazenovia, N.Y.*



# PHOTO ESSAY

## DER FEIERABEND

BY CATHERINE GUENTHER



Spring  
2012

## Provost's Panel on Innovation



What is the best environment for creative and innovative thinking? In what ways does the academic culture promote innovation? Are innovative ideas best found within disciplines or at the intersection of disciplines? Is innovation the result of serendipity and flashes of insight or the result of effort and hard work? The 2011-2012 Provost's Lecture Series, focused on innovation, culminates in a panel discussion hosted by Provost Lloyd Minor to address these and other questions. Panelists include:

**Lisa Cooper**, Professor of Medicine and Director, Johns Hopkins Center to Eliminate Cardiovascular Health Disparities • **Lisa Feigenson**, Associate Professor of Psychological and Brain Sciences, Krieger School of Arts and Sciences • **Jerry Krill**, Assistant Director for Science and Technology, Applied Physics Laboratory • **Charles Limb**, Associate Professor of Otolaryngology-Head & Neck Surgery and Faculty, Peabody Conservatory

**Thursday, May 3, 2012**

**5:00 pm**

**School of Medicine**

Strauch Auditorium East, Room 150E  
Armstrong Medical Education Building  
Reception to follow

RSVP to [ProvostRSVP@jhu.edu](mailto:ProvostRSVP@jhu.edu). For more information:

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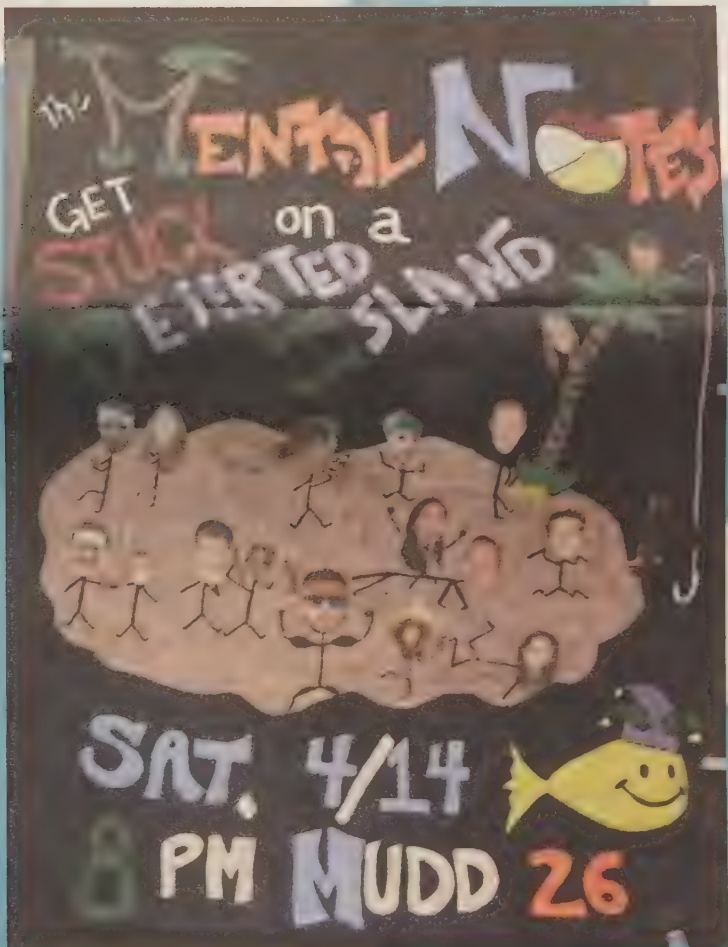
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APRIL 19, 2012



GET  
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ARTS B3!



GEORGINA EDIONSERI





# YOUR WEEKEND APRIL 19-22

## Volunteering doesn't have to be a burden

**V**olunteering can really suck. There's no curve to beat, no way to get an A+ to rub in your friends' faces and no prestigious accolades to tack on your resume. Where's the glory?

In high school, I dutifully logged the required National Honor Society hours while thinking of the praise I would get from colleges.

"Just keep dipping this ladle into this lukewarm stuff for a few more hours and I'll be on my way to distinguished university greatness," I would tell myself.

Upon fulfilling the mandatory, and might I add, the minimum, volunteer service — yes, I know, "mandatory volunteer service" must be an oxymoron — I never thought of doing any more.

That was, until I got to Hopkins.

At my first meeting, pre-professional advising told me that medical schools look for community service and volunteer work.

"Here we go again," I thought.

But I wasn't too afraid. High school had taught me a lot about getting where you want to go. I figured that I had been an overachieving, brown-nosing, resume-building, hoop-jumper then, so why couldn't I spend my four years at Hopkins being an overachieving, brown-nosing, resume-building, hoop-jumping, cut-throat premed?

The first thing I did was sign up for the first five volunteer groups I saw at the student activities fair.

I then spent most of my freshman year stumbling through the volunteer groups. I participated just enough to keep the groups on my resume, but not enough to actually be known by other people in the groups.

I was determined to trudge through the experience of volunteering for four years, just as I would trudge through living in the city of Baltimore.

My lack of commitment paid-off. I could spend most of my time studying for my premed classes and participating in other "fun" extra-curricular activities while still saying I was a noble contributor to the community.

I was destined for greatness, or in other words, an esteemed medical school of my choice.

I must have been great at acting like a genuine community service member, because during my sophomore year, I was asked to start a new program within the Johns Hopkins Jail Tutorial Project that would tutor male juveniles at the Baltimore City Detention Center.

I considered the situation carefully.

The position would take real commitment, real time and real work, work that wouldn't show up on a volunteer timesheet or resume.

Still, I hesitantly accepted the offer.

If any of this volunteer nonsense encroached on my orgo study time, I was prepared to pull the cord and call the whole thing off.

Every Friday afternoon, six of us Hopkins students went to the detention center and worked one-on-one with a 14-to-17-year-old male that had been tried as an adult. After the first few weeks of the program, something didn't feel right.

I realized I had gotten a lot more than I had bargained for.

For once, I wasn't dreading my volunteer work. In fact, I was looking forward to it. I had also stopped snickering about the city of Baltimore.

One of the first teens I worked with at the detention center, who I'll call Shawn, was 16-years old, had two kids and no less than three garage-spun

face tattoos.

Though Shawn hadn't gone to school since the eighth grade, he quickly picked-up on learning how to add and subtract fractions and perform long division. Some day, he hopes to take his General Education Development test.

Shawn really shone, however, when it came to music and poetry. The 16 hours a day he was forced to be in a cell, he spent writing songs and raps. Each week, I would give him words like "ameliorate" and "eradicate." Then the following week, he would come back with a song or rap that incorporated those words. It's generally not common to hear four-syllable words in vulgar raps about guns and drugs, but Shawn managed to do it.

In doing so, he revealed to me what it's like to grow up in a part of Baltimore that has never heard of James Watson and Francis Crick — a part of Baltimore that seems a world away from Hopkins.

Every Friday, I still have the privilege of spending time with teenage offenders at the city detention center. I've never gotten any awards or praise for it. But that's okay, because I've gotten something much more valuable.

I've gained some of my most rewarding friendships from people I never thought I would associate with, and I've built an intimate relationship with the city of Baltimore. In the process, maybe I have compromised my chances of going to that prestigious medical school, but at least I've finally become something more than just a Hopkins premed.

If words like "obligation" and "burden" come to your mind when you hear "community service" or "volunteer hours," then you haven't found the right work. Rather, you will know you've found the right experience when it's no longer an act of altruism: You'll be getting too much out of it.

So put a little of yourself into Baltimore, and you'll get a lot out of Baltimore.



COURTESY OF WWW.JHUSPRINGFAIR.COM

This weekend, Spring Fair will host a variety of foods, entertainment, arts & crafts, groups, and more.

## 41st Hopkins Spring Fair to kick off this weekend

- (1) Food — Freshman Quad
- (2) Arts & Crafts — Upper Quad
- (3) Community Marketplace — Upper Quad
- (4) Beer Garden — President's Lawn
- (5) Kids — Lower Quad
- (6) Rides and Games — Behind Clark Hall
- (7) Beach Stage — The Beach
- (8) Gilman Stage — Gilman Hall
- (9) Levering Stage — Levering Hall
- (10) Recreation Center
- (11) Parking (San Martin & Bloomberg)

By FLORENCE LAU  
Your Weekend Editor

This weekend will mark the 41st annual Spring Fair at Johns Hopkins, filled with all sorts of foods, arts & crafts vendors, rides and more.

A tradition that the entire student body eagerly looks forward to from the first moment of the school year, Spring Fair hours are noon to 8 p.m. on Friday, April 20th, 10 a.m. to 8 p.m. on Saturday, April 21st, and 10 a.m. to 6 p.m. on Sunday, April 22nd.

A diverse group of vendors will be showcasing their crafts for purchase, ranging from soaps to ink to jewelry. And of course, one cannot forget the variety of food available. If you've never tried a fried Oreos before, now's your chance! Also, if you're 21 or older, check out the Beer Garden, another much-loved tradition.

The headlining bands this year will be Passion Pit, an American electropop band hailing from Cambridge, MA and Kingsfoil, an acoustic group based in Pennsylvania and focusing on songwriting and musical arrangement.

There will also be other performances from Hopkins a capella groups, Django the psychic monkey, and other bands. Finally, Hopkins students groups such as the AIDS Alliance, Stress Busters, and ECO-Reps will be making an appearance.

Be sure to check the website ([www.jhuspringfair.com](http://www.jhuspringfair.com)) for a more detailed schedule of specific events and musical performances.

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## Calendar of Baltimore Events

**Thurs. April 19**

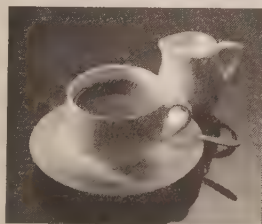
Fountains of Wayne  
7 p.m.  
9:30 Club

Catch the Marc train to D.C. for a night of middle school music nostalgia. Even if you only know "Stacy's Mom" it's worth the trip because former Smashing Pumpkin's guitarist James Iha will be opening the show.

Fair Trade  
Coffeehouse  
8 p.m.  
AMR I

Sip ethically conscious coffee and

tea while enjoying an open mic night of Hopkins students performing poem, song, and spoken word. Use the caffeine buzz to get enough courage to go up on stage and show off your own artistic talents.



MI9.COM

JHU Jazz Band and Ensemble  
8 p.m.  
SDS Room

Watch the JHU jazz band put on a show with Towson University trombonist Jim McFalls. The director is David Saenz who received musical training from Carnegie Mellon and the New

England Conservatory of music.

**Fri. April 20**

Toxic Tour of Baltimore  
12 p.m.  
Bloomberg School of Public Health

If the PIKE basement isn't dirty enough for you, check out some of the nastiest gnar around the city of Baltimore. Besides the shock factor, you'll also get a guided tour that discusses the detrimental health issues associated with living in low-income toxicity.



LAYOUTSPARKS.COM

Sex + Money  
8 p.m.  
Mudd 26

Sex and money may be two of the best things in life, but this discussion and screening focuses on the dark side of the two. Local activists will be presenting a documentary that explores human trafficking and how to combat it.

**Sat. April 21**

Physics Fair  
11 a.m.  
Bloomberg Hall

Eating fried food and drinking all day not your thing? Stop by the 9th Annual Physics Fair and get your nerd on. The science demonstrations include liquid nitrogen frozen ice cream and a balloon rocket contest.

Other activities include interactive astronomy exhibits and aerospace adventures.



STFC.AC.UK

AllNighters Spring Show  
8 p.m.  
Bloomberg

Come see Hopkins's only all-male a cappella group perform their Spring concert. With ten popular song covers, there will be something for everyone. The show will also include a comedic film showcasing the charm and dashing good looks of the mem-

bers. But don't worry guys, there will also be a guaranteed sexy, all-girls a cappella group from another East Coast University.

**Sun. April 22**

Sterling Brunch  
10 a.m.  
Fresh Food Cafe

The FFC will be featuring traditional brunch favorites and special menu items at this Sterling Brunch, including peel and eat shrimp, smoked salmon and more. It's one meal swipe, \$13.15 dining dollars, or \$14.25 otherwise to get in.



LIFESAMBROSIA.COM



# ARTS & ENTERTAINMENT

## Author dishes on how to write for the silver screen

By **BUDDY SOLA**  
Staff Writer

There's a strange logic surrounding the concept of teaching the art of writing. Unlike virtually every other field out there, young artists just kind of do it instead of starting with a baseline of rules with which to write. *Screenwriting Made (Mostly) Painless* by Joseph McBride follows this to a tee, which, altogether is a strange new approach for screenwriting how-tos.

See, that approach doesn't work very well. It's like putting someone in an algebra class, giving them algebra tests, but never actually teaching them algebra. They make all kinds of rookie and beginner mistakes because they've never been given a framework out of which to work.

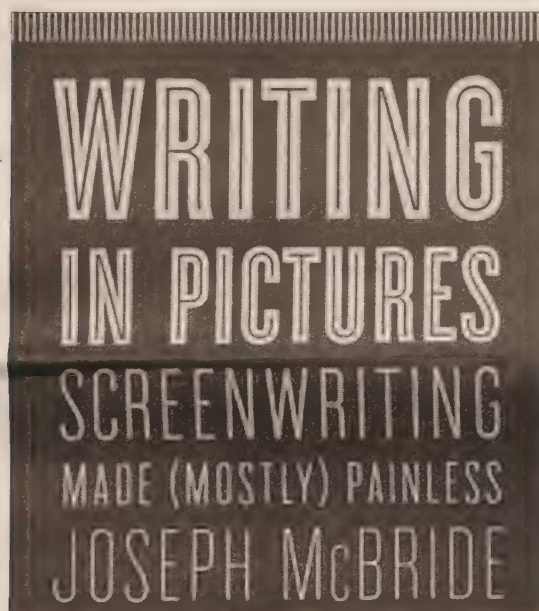
Instead, they're flailing around trying to find some kind of bearing, while professors reem them for not doing it right.

But generally, screenwriting is very different. You can't hide behind figurative language, artistic quality tends to come second to storytelling strength and structure is either there and strong, or not and terrible.

Thus, most books on the subject tend to explain concepts like act structure, character arc and thematic content in an easy-to-use way. Some books assign page numbers for certain story beats, saying, "Alright, something happens to your protagonist that sets him in motions; put that on page 10." And, yeah, some people reel against this method of being told what to do, but most actually take it very well, or at least, most at Hopkins.

It's hard to think outside the box when you're never given a box. And that's *Writing in Picture's* biggest problem. It starts by assuming that every other screenwriting book out there is a waste of time.

SEE SCREEN, PAGE B5



COURTESY OF WWW.SFSU.EDU AND WWW.BORDERS.COM  
McBride dishes on how to make screenwriting a painless project.

## The Mental Notes hit a high note with show

Comedy a cappella group pokes fun at life, explores bizarre situations

By **ALEX DASH**  
For The News-Letter

Mudd 26 transformed from a staid and stuffy lecture hall into an emporium of song, laughter and edgy comedy that bordered on darkness and insanity.

The Mental Notes, Hopkins's premiere comedy a cappella group, performed to a full house last Saturday night, and were received with alcohol-stained laughter and tears of pure joy.

The Mental Notes concert functioned as a sort of group therapy in which the audience collectively probed the darkest recesses of their minds, briefly considered what is wrong with them, and then threw up their hands in despair and doubled down in laughter. Sophomore Lucie Fink, performance director, says the concert was a "moment to laugh at life and everything about it." Nothing was off-limits.

The Mental Notes treated their audience to a bizarre and hilarious performance through a set of skits, songs, and a hilarious video. The concert was centered around the theme, "The Mental Notes Get Stuck on a Deserted Island," in which the group realized it was on an island and tried to construct a society.

Society ended up being a mere mailbox, painstakingly created by hammers wielded at the male crotch and dancing, bikini-clad women.

The group followed a treasure map they hoped would be a way out of the mailbox, but the curtains fell when the treasure map instead lead them to the ultimate treasure: friendship. Songs included such covers of hits such as "Fidelity," by Regina Spektor, "Mean," by Taylor Swift, "Just Can't



GEORGINA EDIONSERI/PHOTOGRAPHY STAFF

The Mental Notes put on yet another fantastic sketch comedy a cappella performance in Mudd Hall.

Wait to be King," from "The Lion King", as well as the group's signature original parodies such as "My Enormous Penis" and "Roommate Rendezvous". Best of all was "This Is The Shortest Song I've Ever Sung," which consisted of only those eight words, much to the audience's delight.

If The Mental Notes' goal was to make us uncomfortable and laugh, they achieved it. If The Mental Notes' goal was to make us uncomfortable and laugh, they achieved it time and again, as the audience split apart and guffawed.

Some jokes were completely random and nonsensical, such as when

they asked an audience member to read lines out of a hat like, "I'm dripping in pussy mud."

Others, meanwhile, twisted societal assumptions inside out, such as when Fink and junior Andy Weld pretended to switch brains and experience what it would be like as a member of the opposite sex.

Weld repeatedly gasped in amazement at his testicles while Fink lovingly massaged her newfound breasts. Any guy or gal can relate to imagining

spending a moment in the other gender's body.

Not everyone, however, is prepared for members to shout obscenities such as, "You can't f\*\*\* a cripple," which senior Andre Rouhani did with cool composure. Polite society would not tolerate such a statement.

Fortunately for The Mental Notes, their audience was not a polite society, rather, it was a group of overworked Hopkins students looking for a good time, various Mental Notes alumni and a few parents brave enough to endure the onslaught of edgy jokes.

The performance allowed over 100 people to forget their troubles, if but for a moment, and come together to laugh and enjoy themselves.

**If The Mental Notes' goal was to make us uncomfortable and laugh, they achieved it.**

## D.C. trots out pups and haute couture for benefit

I know absolutely nothing about fashion. My trips to the mall don't extend past Macy's and Forever 21, and the only fashion shows I've ever seen were on "America's Next Top Model." I'm aware enough to know that wearing sweatpants in public is slightly unacceptable. And that's always been enough for me.

Last Saturday, I was invited to go to D.C.'s largest animal charity event, Fashion for Paws and hang out backstage. The event raised over \$700,000 this year for the Washington Humane Society. To become a model, one had to raise at least \$5,000, which means that the runway consisted of mostly D.C. entrepreneurs and socialites. Reporter Nikki Burdine raised the most money, contributing \$43,000 to the cause. There were 90 models featured in the show and about 30 dogs.

Fashion for Paws was created by Tara de Nicolas six years ago. She wanted to find a fun way to raise money for the Humane Society. Fashion for Paws has now raised a total of \$2.2 million in the six years that it has existed.

I was lucky enough to attend the event through a friend of mine, Aba Kwawu. Kwawu is the President of The Aba Agency, which is a luxury PR group in D.C. Her job was to organize all of the models and the designer clothes. Basically, she en-

sured that the show ran smoothly.

I showed up at the National Building Museum a bit apprehensive. I didn't know what I was going to do to help out, as I knew nothing about how the fashion world worked. After fixing my hair and watching tourists hang out in Judiciary Square, I finally walked into the National Building Museum.

The first thing that I saw was an explosion of color. Syzygy Events International had put together pink, orange, purple, yellow, blue and green decorations to beautify the runway and the massive room. The bright colors constantly made me want to look around the room, as a new part of the design caught my eye each time I looked. The colors were a perfect way to announce that fun, spring fashion had officially arrived.

When I finally stopped looking at the runway, I walked into the dressing room. It was early enough that the craziness hadn't started yet, but the entire hair and makeup team was ready to get the 90 models and the people running the show ready for the runway.

I mostly hung out with a PR assistant for The Aba Agency, which meant that I watched her Tweet about everything that was going on for Tyson's Galle-

ria, who donated all of the clothes for the show. This made me realize just how important publicity was for this type of event.

I was got to walk around the VIP section and the tables, all of which were insanely expensive, and watch people set them up. My favorite part was when we looked at the mock-ups of the outfits that Fashion Institute of Design & Merchandising students had designed for both the dogs and the actual models that they had hired. Their outfits opened the show

before the participants who had raised money walked the runway. Their designs were really impressive, especially for college students.

It was early enough that the museum was still open to the general public, which meant that tourists were there while the tables for the guests were being set up. It's so D.C. to let people randomly walk around a historical museum, even when a fashion show is about to happen.

By 5 p.m., the museum had officially closed, which meant that the mayhem was about to begin. The models were doing their best to get their hair and makeup done before the rehearsal. The stylists teased many of the women's hair into 80's-esque updos. This

was probably to help them match their canine counterparts, although I didn't really understand the hairdos until I saw them paired with the edgy Betsey Johnson outfits.

The dogs were also getting ready in the "doggie dropoff" area. I'm not really a dog person. But after this show, I was pretty impressed with these dogs, who were mostly able to cope with their sparkly outfits and having 1700 audience members watching them.

During the rehearsal, I had the very important job of telling models that they had to walk around the entire museum in their six-inch heels again to run through their walks one more time.

Soon after that, the multitudes of guests started to arrive. I was backstage for most of this, but I did walk downstairs for long enough to hear the obligatory Michael Salahi gossip and D.C. networking.

I was also backstage for the show, which meant that I got to watch the models line up and meet up with their dogs. I even saw Marie Osmond, who adopted an adorable dog. And they let me try to take a picture for Twitter on someone's iPhone.

After the show, I realized that maybe fashion is pretty interesting. I could even see myself being all over Twitter one day, even if I still know nothing about clothes.

Damon Albarn has just released a new single, "That Marvelous Dream," off his new opera, *Dr. Dee*, which is set to be released on May 8.

Albarn is best known to his fans as the face of bands like Blur and Gorillaz, but in "The Marvelous Dream," Albarn reverts to a purely acoustic style.

The tempo is very easy and steady, making for a mellow vibe throughout the song.

Seeing as the song is part of an opera, the lyrics of course play a huge role in "The Marvelous Dream," but Albarn's voice is still low-key too, creating a melody that is perfect for relaxing.

Overall "The Marvelous Dream" has a delightfully stripped down feeling that

adds to the charm of the track.

*Dr. Dee* chronicles the life of Dr. John Dee, a courtier and adviser to Queen Elizabeth I.

*Dr. Dee* was also an astrologer and spy, a true Renaissance man.

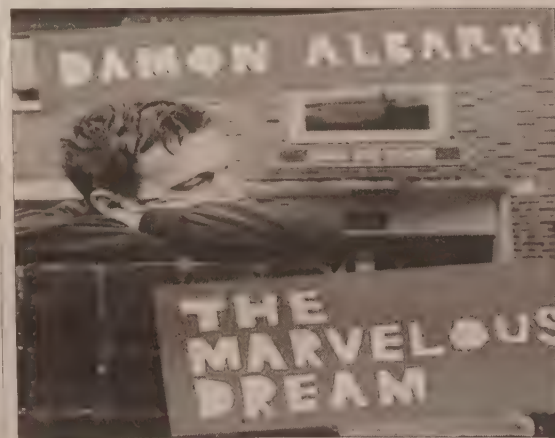
The opera has already attained critical acclaim in the UK, and prospects look good for its success in the US once the soundtrack is widely released.

So everyone check *Dr. Dee* out on May 8, and until then, take a listen to "The Marvelous Dream."

The combination of Elizabethan history and the contemporary indie sound is completely unique. You won't be disappointed.

— Rachel Schnalzer

**Hot Singles on the Internet:  
Damon Albarn's  
"The Marvelous Dream"**



COURTESY OF WWW.AMAZON.COM  
Damon Albarn's "The Marvelous Dream" is part of his opera, *Dr. Dee*.



# The good, the bad and the ugly in TV genres

If you haven't already noticed from reading my column this semester, I tend to watch pretty specific genres when it comes to TV shows: cop shows, fantasy, sci-fi, and . . . well, *Smash*. Yes, *Smash* deserves its own category.

This week, though, just to switch things up, I'm going to talk about the genres I try and avoid, and why I don't like to watch those types of shows.

Let's start with horror, because this one is a hard and fast rule that I never break. I can't stand horror shows, probably because I'm a bit of a wimp. Even certain shows that are completely in my preferred genre of TV can sometimes scare the hell out of me.

I remember once, I watched an episode of *Bones* sometime in Season Two (remember when the show was actually good?) where *Bones* and *Booth* opened a fridge and there was a freaking severed head sitting there. I ended up staying up that night until the sun came up because every time I closed my eyes, I was sure a severed head was going to come get me.

It's not even the ghosts and monsters and such that get me when it comes to horror. It's just that seeing mutilated humans scares me beyond belief (which, I guess, begs the question of why I want to work in forensics. If you can answer this question, please find me and explain it to me). I mean, *Doctor Who* has some pretty frightening monsters, like the gas mask child in "The Empty Child"/"The Doctor Dances." It's been over three years since I first saw that episode, but I remember hiding under my covers that night because I knew that if I looked up, a young boy in a gas mask would be standing over me saying, "Are you my mummy?"

If I have such strong reactions to shows that aren't designed to frighten audiences, clearly, I should just avoid all shows in the horror genre. That's one of the reasons I decided not to watch *The River* with my two suitemates earlier this semester. I didn't need another reason to stay up all hours of the night. I already get that from the horror of homework.

Another genre I tend to avoid is comedy, although not as strictly as I do with horror. I mean, I watch *How I Met Your Mother*, and that's definitely a comedic show. *HIMYM* does deal with serious, issues presented in a lighter manner, though, so it's not all cheap gags and dirty jokes. Tragically things happen, the characters change, and everyone has some sort of depth.

But in general, I find comedy pretty boring, especially when they're comedies that depend on stock characters and clichés, like *GCB*, where most of the jokes are based on



Shows like *The River* use horror and scare tactics to scare off sensitive viewers, much to Lau's dismay.

stereotypes about Southern women and Christians. I can't see the characters as real people. They are mere caricatures to me, and unlike *HIMYM*, there's no change or growth and no sign of planned development in the future.

I like to watch TV for more than the laughs, and when it comes to comedy, that's the main focus of the scriptwriters. I want more substance, though, something for me to turn over in my mind and debate over with my fellow fans. I might be watching the wrong comedies.

That could be true. I have heard many good things about *Parks and Rec* and *Community*, so I might just be a freak who has issues with fun and happiness and laughter. But so far, the comedies I've tried (*GCB*, *Glee*, and *30 Rock*) have not satisfied me for reasons mentioned above.

The final genre I avoid is romance, and by romance, I mean shows that only focus on romance.

Obviously, I watch a lot of shows where there are pairings, usually between the main characters, and I can get pretty involved in those pairings. I'm what people in fandom call a "shipper." I like to look at pretty GIFs and read fanfiction involving the characters I want paired together. I spend time flailing over them with my friends after the episode airs and I speculate on how the pairing will eventually play out.

I'm fine with all of that, and it actually keeps the show interesting for me, what with all the drama and missed opportunities and such. It's just when the show starts to focus primarily on the romance that I get bored.

Luckily, a lot of the shows I've been watching lately have done the complete opposite. Show-

runners and writers seem to have a fear of letting their two main characters get together too soon and alienating viewers who love the sexual tension (as I do) and so they let them circle each other for seasons upon seasons to the point where people just get frustrated at how silly those two characters are being. I can name a certain writer and cop duo that I

just want to smack in the head with a frying pan and tell to stop acting like children. But despite the romance plot in *Castle*, there's always the crime of the week to focus on in each episode, giving the romance an external plot in which it can develop and grow organically.

I think, in the end, that's what is most important to me. Any show I watch needs to feel realistic and needs to grow with each

season. Characters need to develop and become better (or at least more well-rounded) people. The problem for me with watching horror, comic and romance shows is that the plot is so often focused on one type of genre that there often isn't enough character development for me to enjoy the show past a couple of episodes, or at most, past a season.

Maybe that's why I stick to the few genres that I constantly talk about.

It's not the genre, per se, that I love. It's the fact that there are so few shows that have enough growth and organic change to satisfy me and to convince me that the show actually takes place in a realistic alternate world.

When I can find one, though, I watch the hell out of it, because finding a good show set in a realistic alternate universe is a way to escape the reality of (read: procrastinate on) tests and undergraduate stress in general.

## Florence Lau F(I)OShow

# Critics and audiences Need to Talk About Kevin

By AVIDAN PELL  
Staff Writer

10 years since her last movie, Lynn Ramsay utilizes Hollywood talent in her dark, satirical film, *We Need to Talk About Kevin*, which exploits the façade-wearing citizens we deal with every day.

Based on the novel by Lionel Shriver, *We Need to Talk About Kevin* focuses on the mother of a troubled child, Kevin, played by Kevin Khatchadourian, who commits a massacre at his high school.

Kevin sees through the phoniness of the people surrounding him and refuses to partake in the meaningless activities that society deems as positive.

At the age of six, Kevin refuses to play with his mother.

Pooping his pants, he would sit in his own filth to watch his mother change his pants.

The audience questions the motives of Kevin throughout the film, but we are never explained the reasoning behind his terror.

Although never exteriorly expressed, the devastation and degradation of his mother, played by the talented actress Tilda Swinton, is evident as she evaluates how her past and present ultimately affect her future.

Through three distinct ages, *We Need to Talk About Kevin* explores the life of Kevin and his growing hatred of his mother.

This is a unique film in which you are not viewing the story of a murderous child; rather you are getting a viewpoint of his mother, an often unex-

ploded character in similar films.

With a biased interpretation of her son, the notion of perception is examined in this film.

We find out that Eva had given up a well-paying job at a travel agent to mother her children.

Married to a man named Franklin, played by John C. Reilly, who only sees the goodness in his children, the frustration of the troubled child drives her to madness.

Reilly's attitude toward Kevin, is the infamous mantra of, "boys will be boys," and constantly contending that everything is fine with him.

Swinton is the perfect Eva, as she incorporates the timid mother who never wished to bear children before her husband posited.

In addition, she contains a fiery interior that allows us to believe that a seemingly mundane woman could harbor such hatred for a child that is a part of her.

The film begins with Eva engaging in the Spanish festival, La Tomatina, a tomato-throwing fight creating purely for enjoyment.

Her smile seems natural as it seems she is capable of accepting the chaos that ensues in her immediate vicinity.

With a certainly unconventional chronological exploration of Eva, it becomes clear that the festival is her acceptance of the violence that her son had endured, a sign that she can finally separate herself from her child.

An essay on acceptance and family, *We Need to Talk About Kevin* brings

# Desire and demons abound in student play

By BARBARA LAM  
Arts & Entertainment Editor

This past weekend, junior Tamar Nachmany debuted her interpretation of *Teibele and Hurmizah* at Hopkins as part of her Woodrow Wilson Fellowship. Written by Isaac Bashevis Singer, the play is based on a Polish erotic fable and is rife with sexual exploration and deviancies: characters consort with demons, fantasize about adultery and arrange threesomes.

The play is based on a beautiful young lady, brilliantly played by Rebecca McGivney, who is tormented by her husband's disappearance. Stranded in limbo between deserted wife and widow, she cannot remarry until his death is in some way confirmed. Alchonon, an unassuming but learned man from the same village, seduces the sexually-starved Teibele by presenting himself as an irrefutable demon named Hurmizah.

Eventually Teibele falls for her demon companion, and Alchonon grows dissatisfied with having to love in disguise. But in giving up his demonic habit, he forces himself into a series of situations that are at once miserable and hilarious. The dialogue is sharp and witty — significantly so for a play set in the 19th century village of Frampol, Poland.

The majority of scenes center on the couple's adventures in bed, but the Jewish community plays a significant role as well. Alchonon's friend Menasha, and Teibele's friend, Genendel, flirt covertly, and the rabbi, portrayed by freshman David Shear, enters for brilliantly dramatic scenes.

The play traversed various cultures before landing in Nachmany's hands, but she stayed true to its origins, producing it in both Yiddish and English.

At the climax of the play, the characters speak — then shout — in Yiddish for a dangerously long time, but the audience never feels left out. Leaving the scene devoid of English was a brave but successful choice for Nachmany; the drama in the scene is so intense that the need for understandable dialogue is transcended.

"Initially I had not planned on having any parts of the show in Yiddish," Nachmany wrote in an email to *The News-Letter*. "[Studying] Yiddish would have opened up a number of interesting opportunities. . . ." Nachmany explained that the actors found the foreign language a challenge to memorize, but also an inspiring and creative outlet.

The play will be performed again this weekend at the Bell Foundry and the Jewish Museum of Maryland. By reaching out to fellow students, colleagues and local artists, Nachmany was able to find several willing stages for her production. "There are so many cool people living in Baltimore who don't come to Hopkins shows, and I wanted to be able to engage with them on this project," Nachmany said.

Unique to this student-produced play was the addition of Charm City Klezmer. The trio played live during the show, filling in transitions and adding an instrumental soundtrack to the scenes. Coupled with the elaborate makeup — white faces and generous facial hair, designed by Suzanne Gold — the production ended up having a distinct aesthetic that extended beyond the Jewish culture and into the otherworldly realm that is theatre. That aesthetic is what sets Teibele apart; the play offers not just an escape but total immersion into a fantastical world.



Florence Lau is not a fan of the comedy genre, of which *Glee* is a part.



Khatchadourian is filled with guilt about her demanding child, Kevin.



## ARTS &amp; ENTERTAINMENT

No words ring sweeter in the ears of an unemployed undergraduate than the phrase "free concert." In fact, when my friends and I heard about an iTunes Top 100 band playing for free in Silver Spring, Md., the tickets were printed and the ZipCar was booked in less than an hour.

Of Monsters and Men, an Icelandic indie rock sextet and self-described "amiable group of day-dreamers," currently holds the number two best-selling album on iTunes for their debut "My Head is an Animal." With such resounding success, it was no surprise that the line in front of The Fillmore stretched around the block an hour before doors officially opened.

I confess that I only knew one Of Monsters and Men song previous to the concert, the ever-catchy and critically successful "Little Talks." My only regret after attending the show was that I didn't spend more time listening to their music and learning the lyrics beforehand.

With songs that featured emphatic chant styles and boisterous melodies, the band demanded a higher level of engagement from the crowd that I (vocally) was not able to give. Nevertheless, there was not a moment during



Of Monsters and Men, an iTunes Top 100 band, put on a free local show at The Fillmore in Silver Spring, Md.

the band's set that I wasn't jumping around on my toes or giggling with my friends at our luck.

The opening singer/songwriter, Lay Low, held her own with an interesting bluesy-experimental indie sound, but admittedly set a somber tone for the oth-

erwise upbeat and lively last half of the show. The two artists collaborated together in the "Taste of Ice-

land" festival held on Saturday, April 14 at the Fillmore in Silver Spring.

It was clear that there was a real chemistry between Lay Low and Of Monsters and Men. Each made appearances at the end of each other's musical sets. In fact, the concert concluded with the majority of the band members and Lay Low circling around in a spirited jam session.

More importantly, becoming one of the most popular bands around the world in such a short period of time has not impacted the humility of the members. The band even dedicated one song to the father and son who were first in line for the show.

Only adding to the overall folksy storybook character of the group, the band members sported a range of outfits from a head-to-toe sailor costume to the typical plaid-and-dark-jeans artist combo. The

stage lights were muted in the very beginning of the set in accord with the slow pace of the initial songs, but burst through as the music soared to a crescendo.

In addition, the stage background was ethereally decked with rows of vertically hanging Christmas lights. Together, these elements subtly created an almost magical atmosphere where I wanted only to listen to the accordion-filled, trumpet-blasting songs of Of Monsters and Men.

The show at the Fillmore was the last pit stop on the band's North American tour before their return to native Iceland. Reportedly, most of the band's North America shows sold out within the first day of being on sale.

I could go on about how spirited and infectious the band is, but the facts speak for themselves. I walked into a show on Saturday barely knowing one song from the band. I spent the majority of Sunday making up for all the work I hadn't done that weekend and playing "My Head is an Animal" on repeat. Of Monsters and Men, you've gained an ardent fan (literally) overnight.

— Suz Amedi

## Last Week Live Of Monsters and Men



COURTESY OF JULIA BRADSHAW

Of Monsters and Men shot to popularity after their hit single "Little Talks."

## Screenwriting book not for first time writers

SCREEN, FROM B3

It's there to trick you, get you to write bad action movies or pigeonhole your creativity and artistic depth. And that pretention flies throughout the rest of the book. Every page drips with an off-putting elitism in not only the prose, but also in the content. No one jumps out of the gate and writes a masterpiece. And, sorry every writing professor ever, but reading great stuff doesn't translate to writing great stuff. It's like being taught trigonometry and pretending that will teach you algebra.

It won't.

And Joseph McBride makes that mistake right from the get go. But it's not all bad.

In truth, his superiority complex keeps him fresh,

to a certain nauseating degree, and it gives a somewhat unique perspective on the craft.

This book feels like a perfect counterpiece to Syd Field's *Screenplay*, widely recognized as probably the best how-to book out there. Syd Fields sticks to his act structure paradigm. A character is challenged, begins to hurdle obstacles related to the challenge and finally defeats (or gets defeated by) the challenge in the climax.

And for any beginning screenwriter, hell, any writer in general, this book is a godsend. It lays out very specifically, "This is what works," and it takes you through all the intricacies therein. But Fields isn't the be-all and end-all. He never claims to be, but many of his critics do.

And if you're somewhat experienced as a writer, you've written that formula a dozen times and it kills you. That's where Joseph

McBride comes in.

His approach, which actually starts with him acknowledging the importance of the three-act structure, doesn't spend all its time there. He moves into further reaching material and gives you tools with which to build larger, more experimental stories. And that's this book's power.

If you read it as your first screenwriting book, you may get a sense for a framework, but most likely, all the high concept talk will be seen as aloof and off-putting. But if you come here after two or three others, it's a much more rewarding experience.

This is not some writer rehashing Syd Fields with a gimmick, like most how-tos do. Joseph McBride, in his apparent revulsion for

However, people aren't at Hopkins because they know how to write; they're here because they want to know.

every other book out there, has actually expanded on Fields and given us, as writers, a little more room to

breathe and stretch our wings.

And that's the best recommendation I can give. If you're really into high-brow, down-your-nose criticism of the film industry, you might just like all the passive aggressive jabs. But if you're anyone else, that tone can definitely be, well, off-putting, to say the least. And if you're someone who has a good sense of the formula and understands where act structures come down and go up, then McBride will guide you through the next phase of that development.

However, people aren't at Hopkins because they know how to write; they're here because they want to know.

And this, unfortunately, would be a terrible place to get started.

ARTIST  
**M. Ward**

ALBUM

*A Wasteland Companion*

LABEL

Merge Records

RELEASED

April 10, 2012

Hipsters, lace up your Doc Martens, dust off your vinyl players and feast your eyes-with-the-over-sized-glasses-that-you-don't-need here: M. Ward is back with even more acoustic solos.

The Y-chromosome of She and Him and Monsters of Folk has proved he's just as talented without Zoëy Deschanel's adorable cheeky yesteryear vibe. Whether we miss Deschanel or not up is up for debate.

Ward's tracks on *A Wasteland Companion*, his seventh solo CD, have a distinctly mellow Portland vibe that at times borders on ominously vague songs you'd hear on a Starbucks run, and sounds, that is to

say, weirdly hipster and commercialized.

How-ever, Ward never completely shies away from the quirky fun he has with Deschanel: her back-up vocals on "Sweetheart" helps to create an *American Bandstand* vibe, complete with hand clapping and lyrics like, "You have a nice smile, baby/You drove me crazy down lover's lane."

"Primitive Girl" is an upbeat pop track along a similar vein, which would have been featured in (500) Days of Summer had the film been made three years later and, most likely, would have given Ward a certain

kind of name recognition.

Ward's best tracks have witty, love-lorn lyrics and laid-back acoustics, such as when he

confides to a love interest, "When we're dancing and you're dangerously close, I get ideas," on "I Get Ideas." Lyrics like these are almost enough get Ward a figurative date.

Also of note is "Watch the Show," the vignette that follows the life of a television show editor who longs to work behind the scenes, in which Ward

critiques society's mutual obsession with the tube.

His imaginative songwriting is at its peak on "Crawl After You," when he croons, "I was raised by a tribe of Vegas cowboys," in an older hipster's version of "We Are Young" without the, well, fun.

At its worst, the tracks of *A Wasteland Companion* sound increasingly more hipster-emotional as they progress, and "A Wasteland Companion" and "Wild Goose" lack the inventive lyrics and low-key vibe of previous songs, instead delving into the pitfalls of twee and self-conscious irony.

The final songs sound scratchy and tired. Honestly, the latter tunes are a bit of a letdown after the fresh first few tracks, which were so promising.

Yet we're willing to forgive him. The songwriting is so eerily earnest that it's impossible not to like, such as in tracks like, "There's a Key," in which he casually confesses, "So I'm losing my marbles one marble at a time, it's true ..."

And after my week of intense philosophy paper writing, I can't help but agree. It's his earnest lyrics that make the album worth listening to, despite its tried and weary tone.

— Devin Alessio

## NEW VIBRATIONS

ARTIST

**Neon Trees**

ALBUM

*Picture Show*

LABEL

Island

RELEASED

April 17, 2012

*Picture Show*, the sophomore album by Neon Trees, a band that hails from Utah, is not what I expected, to say the least. And I don't mean that in a bad way.

I expected a lot of songs like the singles from the first album from two years ago, *Habits*, which had tracks that were amazingly upbeat and catchy, the kind of thing that really makes you just want to dance in situations that are completely inappropriate for dancing.

The album was not full of songs like this. *Picture Show* instead features a much more mature sound than what's found on their first album, a mellower sound that has a kind of ballad feel.

If I was going to compare the general feel of this album to songs from the first one, this album has less of an "Animal" feel and more of an "Our War" feel, which should surprise

you because "Our War" was probably the least popular song in *Habits*. "Animal" made Neon Trees popular by quickly climbing the charts shortly after the album was released.

Expect a lot of angry hipsters to complain about how these guys have changed, despite the fact that the new album is fantastic.

Highlights in *Picture Show*:

"Everybody Talks", the only single released from *Picture Show* so far; this song is probably the most similar to Neon Trees's older material. With its upbeat and happy tone, you will find it hard to sit still when Tyler Glenn's over-the-top vocals hit the chorus.

"Mad Love" — this song represents the largest takeoff in a new direction for Neon Trees, as it is more of a stereotypical classical rock love song than you would expect from a band with roots as firmly in punk pop and dance rock as Neon Trees.

It is predominantly a duet between Elaine Bradley, the drummer

who apparently is also a classically trained singer, and Glenn, the lead singer. (The other half of Neon Trees is made up of Chris Allen and Branden Campbell).

It is a decidedly more relaxed song than anything else in their repertoire, and it is a nice break about halfway through the album.

"Lessons in Love" — this song resulted from a collaboration with noted House artist Kaskadee, and was remixed differently and released in 2011 on Kaskadee's album *Fire & Ice*.

It features a lot of elements typical of the House genre, such as a heavy use of synth and an electronically generated echo in the background of the chorus.

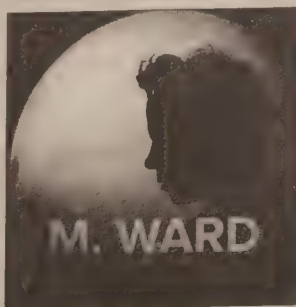
With its powerful, fun bass line, this song will have you grooving in your seat.

"Trust" — "Lessons in Love"

wasn't the only electronically influenced song in this album. "Trust" has an incredibly powerful electro-pop melody that will literally stay stuck in your head for the next four or five hours after listening.

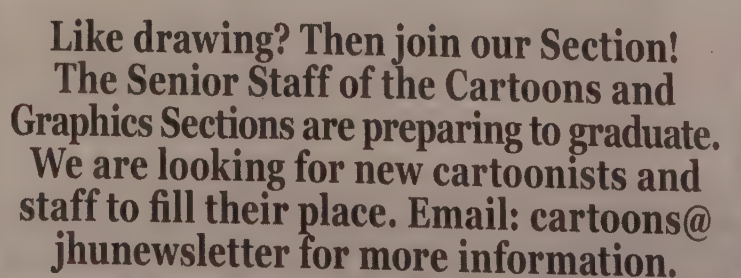
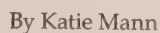
Do not play this song before any important classes if you want to learn anything at all.

— Sam Mullen





## By Kevin Stoll Li





# SCIENCE & TECHNOLOGY



COURTESY OF WWW.NASA.GOV  
Black holes gain mass by capturing nearby stars and shredding them.

## Black holes munch on stars to grow in size

By VIVEK SINANAN  
Staff Writer

Scientists at the University of Utah and the Smithsonian Astrophysical Observatory believe they have discovered the cause of massive black holes that exist at the center of many galaxies.

There have been numerous theories concerning how these black holes attain their huge masses. One theory is that they are a result of the consumption of a huge amount of primordial gas early in the development of the universe. Another theory is that they result from the merging of two black holes. Others propose that the holes were simply that large when created.

However, there is renewed interest in the possibility that these black holes gain their mass by stellar capture through tidal disruption events (TDEs). This theory suggests that when stars travel close to a black hole, they are consumed and obliterated. The star must be within the tidal radius of the black hole, which is the distance at which the tidal forces of the

hole overwhelm the gravitational forces on the star, at which point the star cannot escape. Observations have shown that the rate of stellar capture by black holes is enough to develop fairly massive black holes over millions of years.

In their study published in *The Astrophysical Journal Letters* earlier this month, a team of scientists led by Benjamin C. Bromley of the University of Utah, expand on the stellar capture hypothesis by proposing a method of galactic black hole TDEs that disrupt binary star systems, which are stars that travel in pairs and have gravitational pull on each other.

Their research shows that one of the stars escapes as a hypervelocity star (HVS), while the other is sucked into the black hole and its mass is consumed. In fact, their paper is a follow-up of the 2005 discovery of HVSs. HVSs originated from binary systems with other stars, and were flung away at high speeds after interacting with central black holes that occupy most galaxies, including ours, the Milky Way. The stars travel at 1.5 million miles per hour after being

SEE HOLES, PAGE B8

## Ultrasound detects pancreatic cancer early

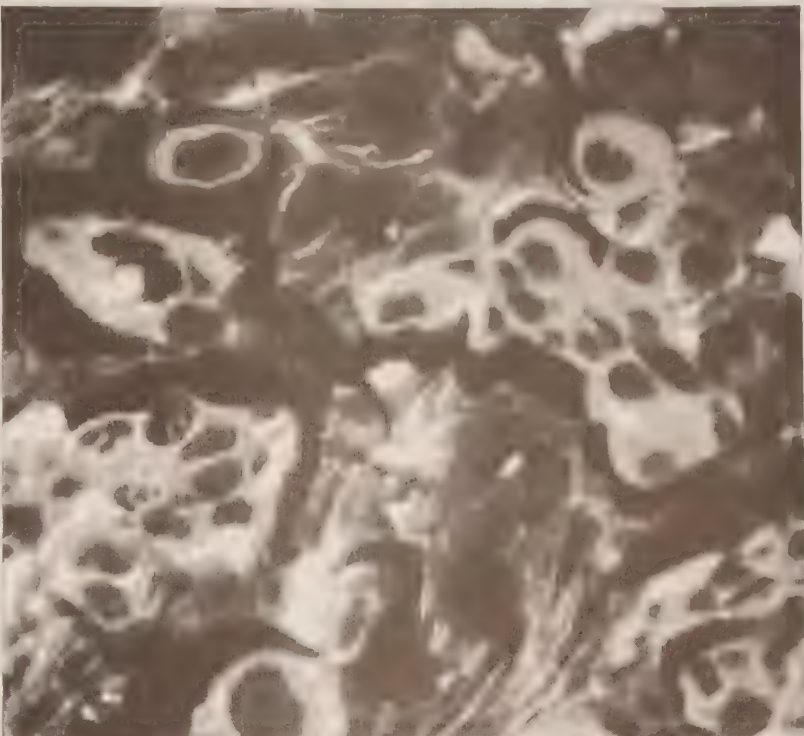
By MICHAEL YAMAKAWA  
Staff Writer

Pancreatic cancer is currently the fourth most common fatal cancer in the world, and unfortunately it often has a poor prognosis as well. In fact, it is diagnosed by doctors in only 14 percent of high-risk individuals under the age of 50. However, roughly 10 to 15 percent of all pancreatic cancers are hereditary, allowing scientists to find ways to identify biomarkers that indicate the possibility of malignant tumors.

A team of Hopkins researchers discovered that more than four out of 10 high-risk subjects for hereditary pancreatic cancer have small pancreatic lesions a long time before the first symptoms begin to manifest. More importantly, they determined that performing ultrasound via endoscopy has superior diagnosing capabilities when compared to magnetic resonance imaging (MRI) and computerized tomography (CT) scans in finding these lesions.

These biomarkers can help reduce the death rate of high-risk individuals, since the survival rate begins to drop significantly once the symptoms begin to appear. About 25 percent of those eligible for surgery survive at least five years, while the rest have a 5 percent chance of surviving five years. Tracking the lesions before the symptoms show can significantly increase the chances of high-risk individuals living much longer lives.

The study included 216 high-risk individuals, who had at least two close blood relatives with pancreatic cancer and had certain genetic biomarkers, such as BRCA2. These are two factors that increased the chance of inheriting the disease. Doctors at medical institutes — including Hopkins, Mayo Clinic, Dana Farber Cancer Institute, Ander-



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Ultrasound are superior to MRI and CT in the early detection of small pancreatic lesions, an indicator of cancer.

son Cancer Center and the University of California, Los Angeles — performed either CT scans, MRI scans or ultrasound via endoscopy on participants to determine the best method for searching the lesions.

The CT scan gathers a series of X-rays taken at different angles to produce cross-sectional images of the soft tissues inside the body. Doctors often study slices of the scans to visualize the body from different angles. MRI utilizes radio waves and properties of nuclear magnetic resonance (NMR) to image the nuclei of atoms in the body. Typically, MRI provides a better contrast when im-

aging the brain, muscles, heart and cancers than CT scans do.

The endoscopic ultrasound, as the name suggests, involves sending ultrasonic waves to obtain images of the inside of the body. During the procedure, the doctor inserts a thin, lighted tube into the sedated patient's throat, into the small intestines. The ultrasonic patterns that bounce off the walls of the internal organs can be collected to identify tumors that cannot be detected by CT or MRI.

CT detected pancreatic abnormalities in 11 percent of subjects, MRI detected 33.3 percent and the ultrasound detected

42.6 percent. Marcia Irene Canto, a professor of gastroenterology and oncology at the Hopkins School of Medicine, suggests that one advantage ultrasound via endoscopy has over CT and MRI is that it can sample cells from lesions for further study.

Studies of cells from these lesions can potentially lead to the discovery of new biomarkers that would allow doctors to diagnose pancreatic cancer earlier and more accurately. Recently, another Hopkins research team has been developing biomarkers from pancreatic cyst fluid that appears to have signs that predict cancer.

## Drugs hitch rides on nanoparticles

By IAN YU  
Managing Editor

In trying to improve treatment options, developers of cancer therapies encounter hurdles such as making drugs highly specific and also delivering them to cancer cells. A new delivery method of a highly specific anti-cancer drug appears to have overcome some of these challenges in new work on cancer cell lines.

Researchers at Northwestern University have developed star-shaped nanoparticles coated with short segments of DNA that specifically target cancer cells, thus treating the tumor with the promise of not targeting other cells.

In a paper published in the American Chemical Society's journal *ACS Nano*, the researchers detailed their work, from generating the nanoparticles and coating them with their designer drug, to observing the effects of their delivery in cancer cells.

Led by Teri Odom, professor of chemistry and material science and engineering at Northwestern University, the group utilized a DNA aptamer as their drug. This short segment of DNA carries a specific sequence that is recognized by nucleolin — a protein that can be found on the surface of cancer cells more than most other types of cells.

Nucleolin is typically found within the cell, but cancer cells overexpress nucleolin, producing so much that some of the nucleolin moves to the external surface of the cell. The aptamer used in this study had already been demonstrated to bind quite strongly to nucleolin on the surface of cancer cells.

Tightly bound, the aptamer and nucleolin make their way into the nucleus, causing the cell to kill itself off in a programmed set of processes called apoptosis.

In this study, the researchers were able to use transmission electron microscopy to observe how the treatment affected HeLa cells, a commonly used cancer cell line with an extensive history here at Hopkins. This allowed them to see in great detail the changes that cells and their nuclei underwent as they were dying.

Key to getting the drug to these cells is a delivery mechanism, which was where the nanoparticles came into the picture. Odom explained that a big advantage of their

nanoparticles was the use of the HEPES buffer, commonly used in culturing cells, in the reaction to generate the biocompatible nanostars.

"This synthesis does not require cytotoxic surfactants that are typically used in the synthesis of anisotropically shaped gold nanoparticles," Odom wrote in an email to *The News-Letter*.

Because of the interaction with nucleolin, the nanoparticles themselves do not need to enter the cell, allowing for flexibility in their size. The nanoparticles just need to reach the exterior of the cancer cells while carrying the tightly bound drug. The next trick was to get the drugs off of

SEE CANCER, PAGE B9



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Research shows that genetically engineered stem cells can identify and target HIV infected cells in mouse models.

## Potential HIV cure found via stem cells

By VARUN PATEL  
Staff Writer

A study published in the journal *PLoS Pathogens* by Scott G. Kitchen, an assistant professor of medicine at the David Geffen School of Medicine at UCLA and a member of the UCLA AIDS Institute, shows that engineered stems were able to successfully identify and attack HIV infected cells in a humanized rodent model. A humanized mouse is a mouse carrying functioning human genes, cells, tissues and/or organs.

The World Health Organization considers HIV infection to be a pandemic.

Since its discovery in 1981, it has killed more than 25 million people worldwide. Currently, about 36 million people are suffering from HIV infection around the world. In the United States, HIV affects approximately 1.2 million people, and about a fifth of them are believed to be unaware of their infection.

Millions of dollars worth of research have been conducted in the hope of finding a cure for HIV, but nothing fruitful has come out of it. However, a recent study suggests there might be hope after all.

In the present study, researchers modified the

killer T cells (CD8+ cells) derived from hematopoietic stem cells (HSCs) in such a way that they were able to recognize HIV infected cells and target them specifically.

In our immune system, the killer T cells express T cell receptors (TCR) that are able to recognize viral antigen, or human leukocyte antigen class I (HLA I), on the virus-infected cells, thus initiating the killer T cell response. However, during the HIV infection, the killer T cell population depletes and are therefore unable to effectively fight against the infection.

SEE HIV, PAGE B8



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The nanoparticles drop off a given drug without ever entering the cell.



# Science has its limits in maintaining fertility

By ELLE PFEFFER  
Staff Writer

As an increasing number of women choose to delay motherhood until a more advanced age, the perception that assisted reproductive technologies will always be successful has also become more popular. Researchers at Yale University have studied this issue, concluding that education about these technologies as well as about actions that can be taken earlier on in a woman's life is crucial in the modern medical world.

Assisted reproductive technologies (ART) are part of the growing field of research on reproduction and fertility. ARTs are qualified by the manipulation of both the egg and the sperm and include procedures such as gamete intrafallopian tube transfer (a laboratory combination of egg and sperm is placed into the fallopian tube for fertilization) and zygote intrafallopian transfer (a gamete or fertilized egg is implanted into the fallopian tube).

One other specific and favored ART method is in vitro fertilization, which occurs in a lab. The resulting embryo is then implanted in the woman's uterus through a process called embryo transfer.

According to the American Pregnancy Association, in vitro fertilization has a success rate of 30-35 percent for women aged 35 or under. However, for women over the age of 40, this percentage drops to between six and 10 percent.



Success in artificial reproductive technology decreases with age, emphasizing the importance in planning.

The concern is just this: with increasing advances in reproductive assistance, many women are apt to falsely believe these technologies will be effective at any age. However, rates of success strongly show that they are more effective for younger women.

Data from the Society for Assisted Reproductive Technologies shows that this issue is of viable concern. The number of in vitro fertilization procedures for women over the age of 40 increased by 41 percent from 2003-2009. This is comparable to only a 9

percent increase for women younger than 35 years of age. For the most part, however, success rates for the older demographic have stayed fixed.

Often the researchers found that women were operating under false assumptions that fertility is always controllable at later stages in life using ART. However, this is not the case. Any successful pregnancy at advanced age carries greater risk of complications such as birth defects or pregnancy loss.

The researchers adamantly state that more discussions about these issues and about women's reproductive choices should occur between patients and

doctors during appointments.

The researchers also emphasize another less recognized option women can take advantage of at an earlier age to ensure their future reproductive success. Women may partake in oocyte freezing, or egg freezing, especially if they wish to have a child, who is fully genetically related.

One other ART method is egg donation, where the implanted combination is a donor egg with the father's sperm. This method typically has the higher pregnancy success rate of 48 percent, according to the American Pregnancy Association, though 15-20 percent result in miscarriages.

# Expansion of black holes now understood

HOLES, FROM B7  
ejected by black holes with masses of 4.3 million times that of our Sun.

By measuring the properties of both the bound stars and the HVSSs, scientists were able to accurately determine the frequency of stellar capture and the tidal disruption events that cause them, as well as of the rate of growth of black holes at galactic centers that were of interest to their study.

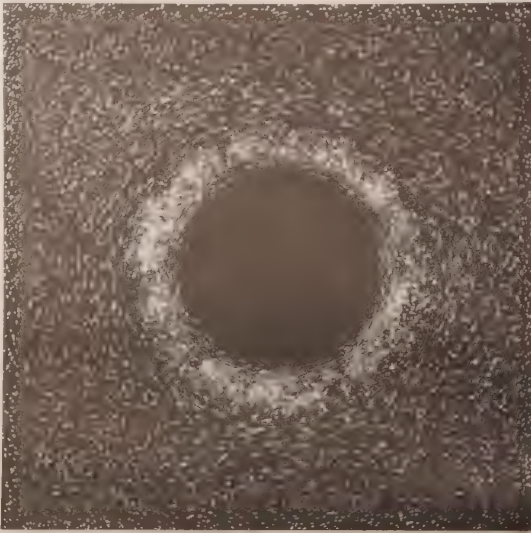
Because HVSSs are already known to exist, and their characteristics have already been well-defined, the researchers were able to work backwards, effectively using the mass and speed of the ejected star to determine the mass of the captured star that it was previously paired with. As a result, the researchers could determine whether these binary systems could contribute to the

growing mass of galactic black holes.

The alignment of calculations based on this model with actual observations concerning HVSSs, TDEs and galactic black hole growth provides conclusive evidence that binary stellar capture is a method by which black holes grow in size.

The researchers' model shows that the tidal disruptions caused by the pull of the black holes roughly equal the capture rate of stars from binary systems. In addition, as the rate of capture increases, significantly more mass is aggregated by the black hole from the disruption of stellar binary systems.

They hope that in the future, their research can be expanded to include bound stars of lower mass, and larger samples of HVSSs and TDEs to more definitively back up their observations.



Tidal forces from black holes overcome gravity and consume stars.



New method significantly lowers HIV-infected cells and viral load in mice.

# Modified killer T-cells attack HIV-infected cells

HIV, FROM B7

In this study, researchers took a population of HSC and inserted it into genes encoding HIV-specific TCR. These HSC would then give rise to killer T cells that express HIV-specific TCR, allowing them to bind to the HLA I ligand on the HIV infected cells and in turn activate the killer T cells.

The results were astonishing. Within two weeks post infection, researchers noticed a reduced level of HIV infected cells in experimental mice as compared to in control mice. In addition, unlike control mice, there was less initial T cell depletion in experimental mice. Similar results were observed at six weeks post infection, but to a greater degree, indicating a suppression of viral replication over time.

Next, the researchers wanted to know if the modified killer T cells could suppress virus levels in peripheral blood plasma. By measuring the HIV RNA, they determined that the viral load in two weeks and six weeks post infection was significantly

lowered in mice with HIV-specific TCR compared to control mice. This suggests a systemic suppression of HIV replication in vivo. Researchers also noticed the suppression of HIV in multiple lymphoid organs including spleen, bone marrow and thymus.

One of the major drawbacks of the study, unfortunately, is that two and six weeks trials are not long enough to accurately say anything, since HIV stays in the body for years. Moreover, in this study, authors used immunosuppressed mice. In non-immunosuppressed mice, newly introduced HSCs could become victims of immune attacks.

Overall, this study marked the first step towards the gene-based therapy approach to fighting viral infections. More research needs to be done in this area before we can move to clinical trials or use gene-based therapy approaches to fight viral infections. Nonetheless, it is a good start, and hopefully one day we will be able to fight all kinds of viruses using similar techniques.

By ALICE HUNG  
Science & Technology Editor

Imagine a three-year-old with toys. Now picture a seven-year-old in class. Whether it's the senseless handling of toys or the inability to stay quiet, there is no doubt that there are stereotypical behaviors people attribute to others. The big question remains: are our behaviors determined by nature or nurture? In other words, can our genes predict how we behave?

Yehuda Ben-Shahar, Assistant Professor in biology at Washington University in St. Louis, addresses this question through the study of honeybees. The results point to the significance of miRNAs as key regulators of behavior. Moreover, comparisons between honeybees and other insects, such as wasps and ants, suggest that social insects collectively share miRNAs absent in solitary ones.

The relatively recent discovery of miRNAs, which are tiny noncoding RNA sequences about 22 nucleotides long, render them as rather mysterious biological units with a wide array of possible functions. In light of recent studies on their involvement in nervous system functions, Ben-Shahar questions their possible role in behavior regulation.

Worker honeybees have a set sequence of tasks that they perform depending on their age. A few days after birth, a worker bee takes on the role of a nurse bee, which involves feeding larvae and secreting beeswax. A week later, the worker bee faithfully takes on other tasks, such as grooming other bees and ventilating the nest. With such a strict division of labor, honeybees naturally become Ben-Shahar's ideal model organism.

While there is a strict protocol of task assignments, honeybees are also flexible enough to adjust their behaviors based on labor shortages, even if it means doing the same task past the typical age range. This plasticity adds to the appeal of honeybees as behavioral models.

Without previous research regarding this topic, Ben-Shahar designed his methods to study all possible miRNA in these bees' heads. They extracted and sequenced all the small RNA fragments. After a series of sorting procedures, the researchers eventually narrowed down the sample to 97 miRNA fragments, including 17 novel ones.

Of the 97 isolated miRNA, five were selected for a behavioral experiment. In the study, scientists cultivated two colonies of bees of the same age. However,

one colony was young foragers and the second was old nurses. Subsequently, they determined the level of expression of miRNAs in each colony.

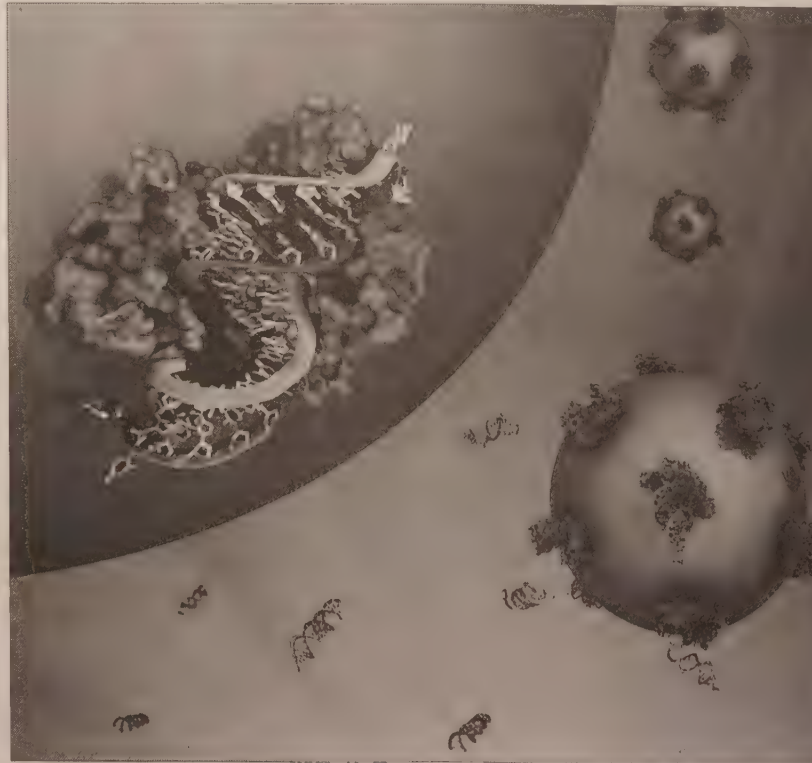
Results showed that four of the five studied miRNAs were expressed at higher levels in foragers compared to nurses. Considering the fact that miRNA usually suppresses gene expression, this finding suggests that some genes transcribed in nurse bees were silenced in the foragers.

Taking a step back, researchers wondered whether miRNA could be generalized to the regulation of social behaviors as a whole. Honeybees are eusocial insects, meaning that individual bees make up colonies that function as "superorganisms." If miRNAs speak to social creatures as a whole,

perhaps similar ones are shared across species.

In a follow-up study, researchers found 19 miRNAs shared between honeybees and other eusocial insects. Moreover, five miRNAs were found only in eusocial insects and not in any other species.

miRNAs are great markers that can be used to map evolutionary relationships because they assume stable functional roles in animal genomes. Considering the importance of miRNA in regulating social behaviors, one can't help but wonder whether or not these findings can be extended to humans. Unfortunately, Ben-Shahar doesn't have any definite answers yet. In light of the complexity of human behaviors and the nearly 2,000 miRNA, more time is definitely needed to say anything for certain.



Research shows that miRNAs may be involved in regulating social behaviors in eusocial insects, like bees.



# Genetic diversity influences population health in honeybees

By **LILY NEWMAN**  
Editor-in-Chief

The unprecedented disappearance of honeybees has been big news for the last six years. Since bees are crucial pollinators for agriculture, their unexpected absence, now known as colony collapse disorder, is felt everywhere, from apple orchards to buckwheat farms.

As scientists and beekeepers work to find the cause of colony collapse, they have uncovered natural mechanisms bees already have in place to protect themselves from harm.

Though colony collapse disorder is not yet understood, most scientists now agree that it is the confluence of many factors and does not have one cause, as was originally thought. Early theories focused on single actors like mites or viruses, but as researchers studied the affects of pesticides and other pathogens, they began to see a bigger picture of environmental stress coming from a number of sources.

"The thing to understand about honeybees is that they're an organism not native to North America, introduced for agriculture," Irene L.G. Newton, an assistant professor of biology at Indiana University, said. "They are managed and artificially inseminated. The number of drones used for that insemination is [probably] unknown to you. There have been concerns about the genetic diversity of stocks and within the colonies."

Since it was first identified in 2006, colony collapse has been documented in North America, Western Europe and even Taiwan. In all of these regions, honeybees are manipulated to pollinate specific crops at particular times. Subce honeybees are nonnative in many of the countries where they are used, their populations are managed entirely by humans (excluding small feral offshoots).

Beekeepers, known as apiarists, have incredible influence over national bee populations. Apiarists buy inseminated queens, set up hives and take measures to protect the health of their bees, including treating them with antibiotics. However, these preventative steps can have unintended consequences.

In trying to explain colony collapse disorder, scientists have come across a number of mechanisms that bees naturally use to defend against immune threats. One recent study conducted at Wellesley College Massachusetts looked at bacteria found in the digestive systems of bees, and found that bee colonies with high overall genetic diversity had more types of bacteria in their systems than less genetically diverse bees. In turn, the bees with more types of bacteria in their guts and hives were more resistant to pathogens overall.

The study pointed out that if genetic diversity ultimately plays a role in population health, then beekeepers need more information about how their queens are being fertilized so they can make informed choices about where they source their queens. Since queens can be fertilized by more than one male bee, or drone, at a time, apiarists can have diverse populations if their queen is fertilized by a diverse group.

"If you are a regular honeybee keeper, from a hobbyist all the way up to a honey bee farmer, it's very hard for you to assess the diversity of your colonies," Newton, one of the study authors, said.

In order to assess the impact of genetic and bacterial diversity, the researchers used queens that had either been fertilized with the semen of 15

drones or only one drone to produce diverse or uniform colonies.

After two months the specially prepared queens repopulated the colonies and the researchers began sampling the bacteria in bee digestive tracts. They also looked at the bacterial makeup in a bee food source called bee bread, which bees "bake" by packing pollen into honeycombs with special bodily secretions.

By genetically sequencing the bacteria they found, the researchers were able to get a specific picture of which bacteria were present and how many types of bacteria there were.

"Diversity is generally more stable," Newton said. "You have a more stable network of community interactions. When you have a less diverse community that's when you have specific failure points. Our assertion is that if you have healthy bees they won't succumb to disease in the first place."

The idea that genetic diversity can impact the presence of good bacteria in a colony is starting to gain traction in the field. "This is really an interesting study. No one has really looked at this aspect," Susan Cobey, a bee breeder and geneticist at University of California, Davis and Washington State University, said.

"You have a very small cottage industry that produces queens so they have narrowed the gene pool...It just seems like everything points to how important genetic diversity is within the bee population, within the colony."

The idea that bees naturally provide themselves with pathogen protection likewise emerged in another recent study about honeybees' ability to defend against parasites. The study examined the plant resins that honeybees use to line their hives in the wild, known as propolis.

Instead of using the wax they naturally produce, which has similar structural and water repellent properties, bees exert energy to collect and distribute resins, forming them into what is known as a propolis envelope. The researchers hypothesized that the choice of resin over wax must be advantageous in some way to merit the additional effort



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Colony collapse is attributed to factors such as decreased genetic diversity.

needed to collect it.

To test this, they painted the inside walls of 12 colonies with resin, while leaving 11 colonies resin-free as a control. Next they introduced parasites and monitored the colonies for larva, infant bees, that were infected or dead.

The researchers found that whether the colonies had been treated with resin or not, the bees still hunted for resin at an increased rate in the presence of fungal infection. While 1 percent of bees might normally dedicate their foraging to resin, up to 10 percent were hunting for resin when the colony was facing the fungal threat.

"Regardless of whether they were enriched or not, they collected more resin," Mike Simone Finstrom, a postdoctoral associate at North Carolina State University and lead author on the study, said.

In addition to the increased collection, the colonies that had been treated with resin had lower instances of larval infection and seemed to experience less overall challenge as a result of the fungus.

These two factors combined led researchers to conclude that not only does resin have antimicrobial properties, but that bees are also aware of this and know how to "self-medicate" in response to a parasitic threat.

"There's all this sort of negative information out there about colony collapse disorder, but this re-

ally highlights the fact that bees are really complex and have really complex defenses against all kinds of things...we just need to promote that a little bit more," Finstrom said.

The connection between resin and reduced fungal load is still only a correlation, but it holds promise as an instructive example of protective bee behaviors. "Propolis does quiet the immune system and it seems that the pathogen loads are less. And they use it extensively in other countries for human medical use," Cobey said.

"The black honey bee was introduced here, but pretty much went out of popularity because of its huge propolis production. It was messy, but if you look at that close social network of a honey bee colony they must have some mechanisms to control diseases."

Though researchers still do not agree about the cause or causes of colony collapse disorder, they do increasingly acknowledge the myriad sources of concern. "Colony collapse is really complicated. There's no real consensus about what the true cause is," Finstrom said.

"I think the only thing that's agreed upon is it's multiple interacting factors. It's not necessarily the same interacting factors in each case, and because it's so complex I think again that's where we can focus on helping the bees get healthy using their own behaviors."

# Dung beetles desire exotic poop

By **MELANIE HSU**  
Staff Writer

In the world of the dung beetle, eating and rolling in poop is fun. Dung beetles are classified according to how they interact with manure: rollers mold dung into balls for eating or brooding purposes, tunnelers bury their poop and dwellers make a home out of excrement. According to recent research on these insects, dung beetles are attracted to the smelliest poop they can find, which happens to be dung from omnivores like us.

Dung beetles are born with an attraction toward poop: beetle larvae love snacking on solid dung, while adult beetles suck up the nutritious moisture in fecal matter. To get their share of dung, the beetles employ a variety of strategies. Some species of beetle use their sensitive noses to hone in on fresh dung, while others hitch a ride on the backs of animals and wait until they defecate.

Before you wrinkle your nose in disgust, know that dung beetles are doing a great service for the environment. Without them, the world would be a much smellier place, considering that the beetles help bury waste that would otherwise attract pests. Moreover, dung beetles help new trees grow by rolling poop that contains undigested seeds.

While dung beetles usually have very specific tastes, study researcher Wyatt Hoback, a professor at the University of Nebraska at Kearney, recently discovered that the insects are also open to certain types of exotic droppings. These picky eaters caused a catastrophe in Australia in 1778, when they rejected droppings from imported cows and other large herbivores. Stunned by the rejection of the feces lovers, the bovine poop consigned to becoming a home for flies and other nasty parasites.

The researchers were ready to get their hands dirty. To better study the beetles, they planted large buckets around a large



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Sick of always eating the same poop, dung beetles prefer novel flavors.

cattle ranch in Nebraska. These gut-wrenching pit-fall traps either contained feces from one of many species of animals or a popular side dish, carrion, which the beetles often consume for nourishment. Once the beetles entered the bucket to inspect their dinner, they were trapped by the high walls of the bucket. This technique was very successful; together, the researchers attracted over 9,000 dung beetles.

The dung fans were lured in with a wide selection of droppings from both native and exotic animals. Native animals included bison and cougar, and exotic animals included waterbuck, lion, and chimpanzee. In addition, carnivores, herbivores and omnivores were all represented in the dung samples. The research took two summers, but the team successfully captured and studied 15 different species of dung beetle.

Of the dung samples, human and chimpanzee feces were the biggest hits. Dead rats were the next most popular dish, followed by pig droppings, then guano from the carnivorous species, such as lions and tigers. Finally, the remainder consisted of excrement from herbivores, such as bison. The researchers believe that these preferences can be

attributed to the fact that omnivore dung is a whole lot smellier than herbivore dung.

In addition, poop preferences varied between different species of dung beetle. Some species gravitated towards the omnivore dung, while others decided that dead, rotting animals were more delicious. According to Sam Whipple, a postdoctoral researcher at the University of Nebraska-Lincoln, this specificity in dietary preferences isn't related to the quality of the dung, the animal's diet or its origin. Whipple says that the results suggest that even closely related species of generalist dung beetles differ in their responses to novel types of dung.

Possibly the most interesting finding is that dung beetles show little interest in the feces of animals that evolved along with them, such as the bison. Many of them were adventurous in their tastes, preferring to land in the buckets of poop belonging to the more exotic zebras, donkeys and moose.

This would explain why dung beetles are now lugging their dung balls to new environments - who would not be ready for a new diet, after eating the same stuff for millions of years? Unfortunately, there are few places left for these omnipresent beetles go. The dung lovers currently reside on every continent except for Antarctica.

# Nanoparticles target cancerous cells

CANCER, FROM B7  
The particles so they could successfully enter the cell by hitching a ride on the nucleolin proteins.

To do this, Odom and her group used high-intensity light pulses with a wavelength of around 700 nanometers, in the near infrared spectrum, releasing the drug from the particles. According to Odom, the star-based shape of the particles was critical for the nanoparticles to effectively absorb this wavelength, which is within the biolog-

ically transparent window of 650 to 900 nanometers.

"This absorption peak is difficult to achieve with spherical particles of a similar size," Odom wrote. She also added that light pulses within the biologically transparent window ensured that the light can penetrate the skin in the millimeter to centimeter range without causing damage. While the light is intense, Odom explained that the beam pulses used are so short that one would not feel anything if they

had put their hand in the way.

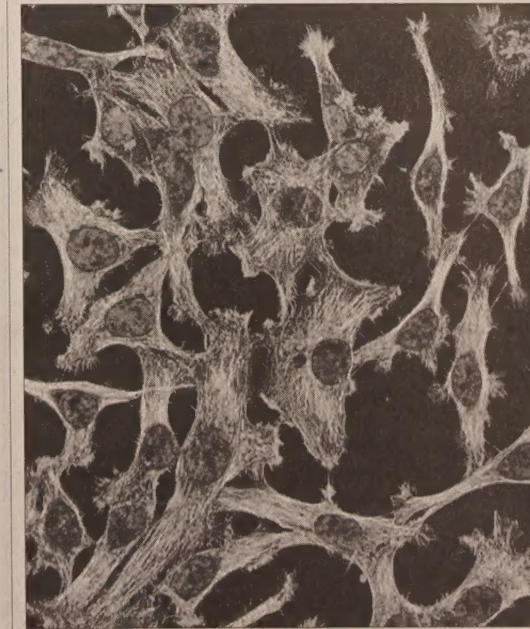
"The exposure times needed to release the aptamers only lasts a few seconds," Odom wrote.

As a control, the researchers utilized aptamers that contained an innocuous sequence not recognized by nucleolin. Agreeing with expectations, the cancer cells remained intact when exposed to these aptamer sequences.

Since submitting their paper, the researchers also explored the treatment in a dozen other cancer cell lines, finding similar results and responses to the treatment. According to Odom, testing other cell lines ensured that the effects were not specific for the HeLa line. Their next steps include testing non-cancerous cells.

"In addition, we are also testing other healthy cells such as fibroblast from skin and lung to ensure that healthy cells will not experience adverse effects," Odom wrote.

According to Odom, the scientists are planning to test the system in mice. While their study had promising results, Odom cautioned that an actual treatment based on this system will take many years before full development and approval.



COURTESY OF WWW.LVA.VIRGINIA.GOV  
Drugs attached to nanoparticles reach and kill HeLa cell, a cancer cell type.



# What is “Shana-hammer” doing?

By ERICK SUN  
Sports Editor

Through less than one round of NHL playoff action, senior vice president of player safety Brendan Shanahan has already levied out nine suspensions and two fines for a total of 16 games lost and \$15,000 lost in checks.

To put those numbers into perspective: the entire 2011 playoffs yielded just seven suspensions in total.

Through this torrent of bans and fines, one thing that the league office has lacked in its rulings is consistency. Punishing players is fine when the reasoning is clear and the punishments follow a consistent model.

However, the issue that frustrates so many fans is that the league has laid out no outline for what can be considered a punishable play and to what extent that punishment can be.

At the moment, what seems like a one-game suspension in one instance becomes a three-game ban in another. Or what looks like a typical “hockey scrum” play can suddenly become a suspendible offense in the eyes of Shanahan.

In Game 1 of the Detroit-Nashville series, as time wound down on a Predators victory, the first of many violent incidents occurred between Nashville defenseman Shea Weber and Detroit forward Henrik Zetterberg.

Against the boards, with zero time on the clock, Weber took out his frustration on a defenseless Zetterberg, slamming the forward’s face into the glass not once, but twice.

The combination of factors—the game had ended, Zetterberg was in no position to defend himself, and Weber clearly attacked Zetterberg’s head—screamed of a suspension for Nashville’s star blueliner.

Instead, the league decided to fine Weber a paltry \$2,500, a whole 0.000033% of his \$7.5 million salary for this season.

In another series between the Chicago Blackhawks and Phoenix Coyotes, Chicago forward Andrew Shaw entered the Coyotes zone on a dump-in, chasing the puck towards an unsuspecting Mike Smith, the goaltender for Phoenix. As Shaw attempted to make a play on the puck his shoulder made contact with Smith’s head,

causing the goaltender to go down for several minutes as Coyote’s medical personnel attended to the downed net-minder.

Despite the agony Smith seemed to be in, he did not miss a minute of play and went on to stop 38 shots in a 3-4 OT loss.

While Smith seemed none the worse for wear after the incident, Shanahan came down hard on Shaw, suspending the rookie for three games.

After the game, Shaw told the media “it wasn’t the intent of hitting him, it was more of I didn’t have enough control to get out of the way.”

Despite the lack of intent to injure on Shaw’s part, Shanahan (or “Shana-hammer” as some have begun to call him for his hard stance on violence) instead explained that regardless of intent it was up to Shaw to change his path towards the goalie.

These two very different cases offers a piece of the puzzle towards explaining the frustration felt by NHL fans, coaches, and players towards the work of the league office.

While Weber made a clear attempt to injure Zetterberg, Weber came away with a mere slap on the wrist. Yet Shaw could potentially have played his last game of these playoffs, depending on the outcome of the series, for making a play on the puck in the flow of this ultra-fast game.

The fact that Shaw was suspended three games is not necessarily the issue. If that is the precedent set, so be it.

But if that is the case, then the league disciplinary office must be consistent with the calls and make sure other instances are ruled with a similar scale of punishment in mind.

Or even better, establish a clear set of rules that details what types of plays

can result in punishment, and what types of punishments can be administered.

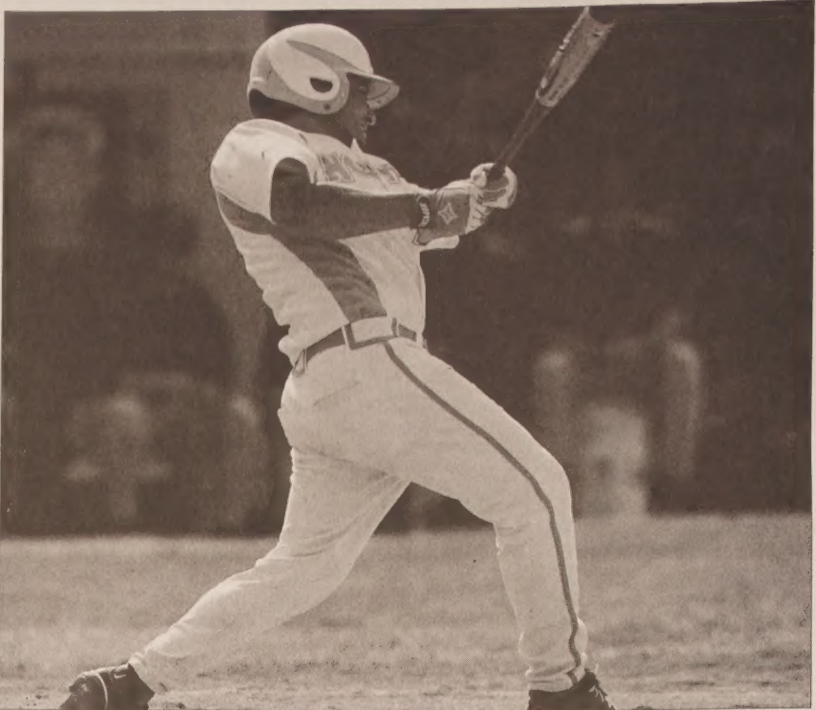
Under the current system, the only determinant on how a player is punished comes from the judgement of Shanahan. Aside from the NHL Rulebook stating the basic rules of the game, Shanahan has no guidelines on whether a rule infraction should result in suspension, fine, or nothing at all.

As a result, when a player finds himself under the scrutiny of the VP of player safety, anything is possible.

While fans can be frustrated with what the league office is doing with discipline, some of the onus certainly falls on the players and coaches as well. In the playoffs, the physical, macho culture of the game comes to center-stage as teams attempt to prove their toughness and worthiness to lift Lord Stanley’s Cup. However, it seems this year the line has been crossed between picking the right fight versus simply picking any fight available.

Resolving this issue lies with the coaches and players only. While the actions of Shanahan have done nothing to give the players a clear indication of what play will yield what punishment, it belongs to the players to take a proactive step on their own. To find the right balance between playing tough and playing smart, or between fighting for a teammate or fighting to vent frustration.

In the end, while this year’s playoffs may not bring about much change, in the future it will take changes in both the players’ attitude and in the league office’s policy to build a product that all members of the game, from the fans to the coaches, can come to respect and enjoy.



FILE PHOTO  
Another great week has put the Baseball team in a great position heading down the stretch run of the season.

## Dominant pitching powers Jays

By ERICK SUN  
Sports Editor

Aside from a single loss to Gettysburg College late last week, the Hopkins baseball team has continued its torrid season as the Jays went 4-1 in the past week to improve to 21-9-2 on the season and 11-2 in Centennial Conference play.

In the team’s lone loss of the week, the Bullet’s offense in the first inning was all the team would need to snap a 12-game losing streak against the Blue Jays at Homewood. The two early runs against senior Lucas Henneman set the stage for a dominant performance by the Gettysburg defense. While Bullets starting pitcher Drew Felsenthal got himself into trouble several times, Hopkins was unable to capitalize on the opportunities as Felsenthal performed admirably to secure the win for his team. Junior Mike Kanen continued his strong season, going 3-for-5 with three singles. However, Kanen’s offense would not be enough as the work of Felsenthal through 8.2 innings powered the Bullets past the Jays.

Looking to rebound from the loss, Hopkins handed the ball to senior right-handed pitcher Alex Eliopoulos.

Throughout the 2012 season, Eliopoulos has been one of the brightest stars on a team full of great players. At 5-0 on the season, Eliopoulos has positioned himself as one of the elite pitchers not only in the Centennial Conference, but also in all of Division III baseball.

The pitcher once again delivered a gem for the Blue Jays in a 2-0 win in the first game of a double-header against the Centennial Conference bottom-dwelling Ursinus Bears. Through eight strong in-

nings, Eliopoulos struck out 10 while allowing only eight hits and no runs.

The shutout was a result of tremendous composure on Eliopoulos’ part as he worked his way out of difficult situations several times during the game. In the third the Bears managed to load the bases with just a single out, giving themselves a golden opportunity to take the lead. Despite the tight spot, Eliopoulos forced Ursinus’ Ben Gresh to ground into a double play to end the inning and escape unscathed.

Towards the end of the game in the eighth inning, Eliopoulos once again found himself with the bases loaded against a dangerous Centennial foe and a small two run lead. Yet as he has done all season, the senior got Bears third baseman Joel Ackerman to swing-and-miss for the third struck, closing out the inning and setting the stage for senior closer Aaron Schwartz to earn his sixth save of the season.

After allowing a two-out single, Schwartz shut the door on Ursinus, getting Gresh to fly out for the final out of the game. The win was also Eliopoulos’ sixth of the season.

In a quick turnaround, head coach Bob Babb then looked to sophomore Tyler Goldstein to shut down Ursinus for the second time in the same day.

While the Hopkins offense made a turnaround in the day’s second game, the Ursinus Bears could not say the same. As a result, the Blue Jays came away with yet another win, 6-1.

The scoring began early for Hopkins with senior Mike Musary sending junior Jeff Lynch home from third on a sacrifice fly in the top of the second. The Jays followed the second inning with a three run third as junior Kyle Neverman, senior Aaron Borenstein, and Lynch all rounded the bases for Hopkins, giving Goldstein a 4-0 lead to work with.

The sophomore would not squander the opportunity, following Eliopoulos’ lead in shutting down the Bears with five strikeouts and only a single earned run through nine innings. The complete game one hitter was Goldstein’s first complete game of his career as he improved his record to 4-2 on the season.

The next day, Hopkins traveled to Rutgers, NJ to face Rutgers-Newark. Unlike the team’s previous two wins, this time around Rutgers-Newark scored the first runs of the game as they brought players home in the bottom of the first and second innings to take a 2-0 lead over the Jays. The arm of senior Garrett Gomez lasted only three innings before being pulled in favor of fellow senior Mike Berliner.

In the top of the fourth

the Hopkins offense finally found some life as they managed three runs to take the lead over the Scarlet Knights. However, Berliner then allowed two runs in the bottom of the inning to give Rutgers-Newark the lead back.

The pitching carousel then continued for the Jays as senior Ryan Scherich relieved Berliner for the next two innings and sophomore Ed Byner relieved him in the eighth inning.

Despite the lack of a starter going deep into the game that Hopkins had seen with Eliopoulos and Goldstein on the mound, the Jays were still in a position to win as the game entered extra innings tied 6-6.

In the top of the 10th, junior Chris Wilhelm blasted a three-run home-run deep over the left field fence, driving home senior Joe Hemmes and sophomore Ben Eckroth. Wilhelm’s second homer of the season proved to be the difference as Schwartz would finish off the Scarlet Knights in the bottom of the 10th to give Hopkins the 9-7 win.

The Blue Jays then closed off the week with a 3-1 win victory over Washington College behind the arm of senior Sam Eagleson.

Eagleson held a no-hitter through four innings and finished a complete game with a two-hitter, earning his third win of the season and the team’s 21st win of the season.

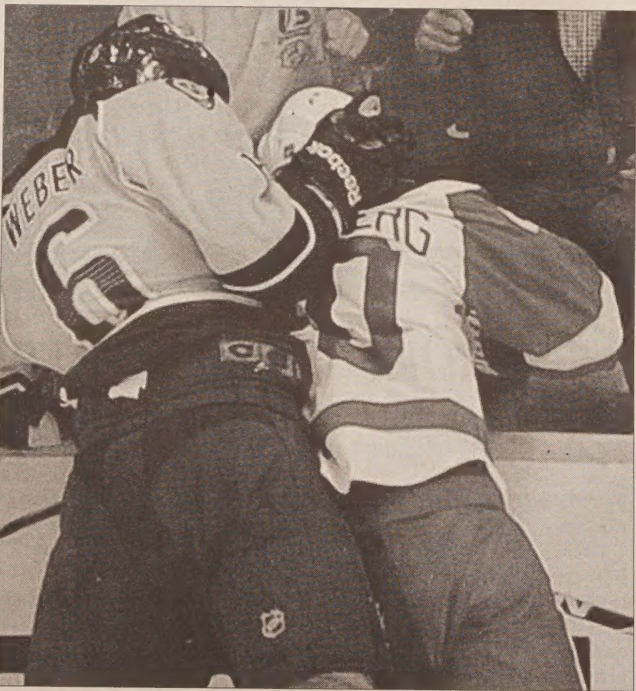
At one point, Eagleson threw a first pitch strike to 15 straight batters and only once allowed multiple runners on base. His dominant performance demonstrated the type of blistering command he had over the ball on the day while also proving to the rest of the Centennial Conference that the Blue Jays boast one of the deepest rotations in the conference.

The offense was provided by a solo home-run from Lynch and a two-run home-run from Neverman.

The Blue Jays now have a mere eight games remaining on the slate before heading into the Centennial Conference Tournament. With strong pitching performances from players such as Eliopoulos and Eagleson, coupled with offensive output from hitters like Kanen and Wilhelm, Hopkins has all the tools to make a run deep into the postseason. The Blue Jays will be looking to defend the conference crown for the sixth straight year, all under head coach Bob Babb who has led the Blue Jay baseball program for 32 years.

With the stellar play, Hopkins now stands a full three games ahead of second and third place Washington College and Haverford, respectively.

Hopkins will return to the field tomorrow at home against Washington, 3:30 p.m.



COURTESY OF WWW.FREER.COM  
VP of Player Safety Brendan Shanahan has tried to eliminate such head hits.

BLUE JAY SPORTS SCOREBOARD			
Men’s Lacrosse	Women’s Lacrosse	Women’s Tennis	Men’s Tennis
Apr. 14, 2012 Hopkins vs. Maryland L, 6-9	Apr. 15, 2012 Hopkins @ Northwestern L, 12-16	Apr. 14, 2012 Hopkins vs. Muhlenberg W, 9-0  Apr. 15, 2012 Hopkins @ CMU L, 3-6	April 14, 2012 Hopkins vs. Muhlenberg W, 9-0  Apr. 15, 2012 Hopkins @ CMU W, 8-1
Men’s Tennis	Baseball	Baseball	Track
Apr. 17, 2012 Hopkins @ McDaniel W, 9-0	Apr. 13, 2012 Hopkins vs. Gettysburg L, 1-6  Apr. 14, 2012 Hopkins @ Ursinus W, 2-0 W, 6-1	Apr. 15, 2012 Hopkins @ Rutgers-New W, 9-7  Apr. 17, 2012 Hopkins @ Washington W, 3-1	Apr. 14, 2012 Hopkins @ Hopkins/ Loyola Invitational  Men, 1st place (183pts) Women, 2nd place (129)



## SPORTS

ATHLETE OF THE WEEK  
ALEX JEBBBy NICOLE PASSMORE  
Staff Writer

For *The News-Letter* Athlete of the Week, sophomore Alex Jebb has found quick success in all facets of the Hopkins experience. As a triple-jump participant and Biomedical Engineering major, Jebb has challenged himself to the fullest ever since stepping onto campus two Fall seasons ago. This past weekend, the sophomore from Cornwall, NY had perhaps one of his most rewarding days on the track at the Hopkins/Loyola Invitational.

"Triple jump is the most exciting and fun event," said Jebb, explaining the event to a writer covering his successful season, "It's a hop, skip and then a jump."

"[The process] starts on the runway about 17 steps away from the board. . . this is where all the excitement builds, both in you and in the crowd."

You sprint down the runway, building speed the entire time until you reach the board, where you 'run off' of the board and just explode onto your first phase. Then as you land on your take-off foot you try to maintain as much speed as possible and just power into the next phase, the step phase, until you land on the other foot.

Finally, you just put everything into your final phase and land in the pit. There's no better feeling than having an amazing jump because you feel as if you're flying on your last phase. . . when you land you hear the crowd and your teammates just erupt and go crazy."

Jebb's dedication and passion for track and field ("Field and Track," as he calls it, an inside joke within the Hopkins team) is so strong it is tangible. It all paid off this weekend, when the team captain broke Bob Wilson's thirty-year old school record jump at the Hopkins/Loyola Invitational track meet. Jebb jumped 13.83 meters (45'4½") to solidify his place atop the record books.

The impressive jump also helped Hopkins accrue 183 team points en route to winning the Invitational, defeating nine teams and leading the pack by almost 20 team points.

"This past weekend was a lot of fun," he recalled. "Breaking Bob Wilson's record means a lot because he was such a great athlete. For one athlete to have records in such a wide range of events (Triple Jump, the 400m dash, and the 800m run) really says a lot about the kind of athlete he was. [It was also great] to compete at home and being able

talked me into trying the triple jump," said Jebb. "I've stuck with track and field because I love the objectivity of the sport and that you truly get out what you put in."

Jebb also played soccer and basketball in high school, similar to his multi-sport siblings.

"My younger sister Olivia, who's going to William & Mary next year to play volleyball, is actually a State Champion in the Triple Jump and was an All-American in the Distance Medley Relay. Also, my older brother Ben, who's playing football at Army right now, ran track for a few seasons in High School to stay in shape."

He left those sports behind to focus on both indoor and outdoor track and field in college. Jebb does not participate in cross country, though, quipping, "I don't think I would last through even 2 days of distance running."

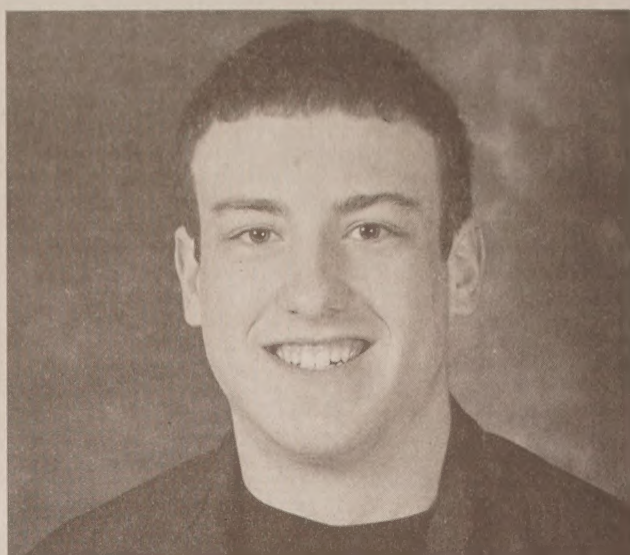
While it may seem that Jebb is a traditional "jock" at this point, breaking records and coming from an incredibly athletic family, one must remember that he is a student-athlete. Amazingly, the sophomore finds time in his track and field schedule to major in Biomedical Engineering. When asked why he chose Hopkins, Jebb puts academics first, responding, "I chose Hopkins because of the strength of the Biomedical Engineer-

ing program." He does mention athletics, though, noting that "it's been fun building up our Field & Track program."

Jebb has been enjoying

would like to train."

Jebb is determined to make Hopkins athletic history once more this season, declaring, "by the end of the season, I plan on our team



COURTESY SPORTS INFORMATION

Sophomore Alex Jebb has excelled both on the track field and in the classroom.

VITAL INFO  
STATISTICS

Name: Alex Jebb

Year: Sophomore

Hometown: Cornwall, NY

High School: Cornwall Central

Events: Jumps/Hurdles

Major: Biomedical Engineer

**Highlights:** After a strong freshman season, Jebb has had a breakout sophomore season. In the team's latest meet he broke the 30-year-old triple jump record set by Bob Wilson.

to run in front of our fans."

The record-holder started jumping years ago, back in middle school.

"[In eighth grade] my coach made everyone do field events, and a friend

## 3-0 week for M. Tennis secures top spot in Conference Tournament

By MIKE KANEN  
Sports Editor

Hopkins men's tennis, currently ranked 16th in the country by the Intercollegiate Tennis Association (ITA), won a pair of critical matchups this past week. The Blue Jays, now 11-4 overall, remained undefeated in the Centennial Conference with a convincing 9-0 win over Muhlenberg on Saturday. The next day the team traveled to Pittsburgh where they battled the 13th-ranked Tartans of Carnegie Mellon for a dominant 8-1 victory.

The Saturday contest was the less taxing of the two run-away wins for Hopkins. Muhlenberg entered the weekend without a win — they were 0-6 overall. The Blue Jays struck first, in convincing fashion, when freshmen Sam Weissley and Ed Corty swept their third-doubles match, 8-0. Juniors Andy Hersh and Jeff Kamei then followed suit, dropping just one game en route to a second-doubles win.

Hopkins polished off the doubles competition with an 8-4 win at the first position led by seniors Jacob Barnaby and Warren Elgort. Singles play was not much different for the Jays, as freshman Jensen Reiter, second-singles, and junior Morgan Dauer, fourth-singles, both completed sweeps.

Hersh headlined the match for Hopkins, handling first-singles 6-3, 6-0. Weissler and Corty also captured singles victories, and freshman Joonas Karjalainen won at sixth-singles, 8-1.

The battle with the Tartans was a more highly

anticipated matchup. JHU travelled to the Steel City as the underdog, as Carnegie Mellon was the highest ranked team the Jays had faced since second-ranked Emory on March 22nd.

At first-doubles, CMU defeated Barnaby and Elgort to gain a 1-0 lead, but Hersh and Kamei even things up with an 8-4 win at second-doubles. In the final doubles match of the afternoon, however, Hopkins freshmen Tanner Brown and Erik Lim

had their backs against the wall, trailing 6-3.

The young duo staged a terrific comeback, winning the next three games to force a tiebreaker in which they won, 7-2.

Hopkins used the momentum from the Brown-Lim comeback to sweep every singles match. The most intriguing singles pairing came at first-singles where Hersh, the third-ranked player in the Mid-Atlantic region, defeated the fourth-ranked player, junior

Duke Miller of CMU, 6-3, 6-4. Also adding wins for Hopkins were Brown at second-singles, Elgort at third, Reiter at fourth, Lim at fifth, and freshman Noah Joachim at sixth.

Hopkins returned to action on Tuesday to take on McDaniel in Centennial Conference. The Blue Jays crushed the Green Terror, 9-0, who also entered the game defeated in conference play, now 0-8. The win clinched the top-seed for Hopkins in

the upcoming Centennial Conference tournament, scheduled for the weekend of April 28th.

Again, it was the usual suspects for Hopkins. Hersh won with ease at first-singles, 6-0, 6-0, and Karjalainen did the same at sixth-singles. Freshmen Ben Hwang and David Greenbaum also handed in dominant victories for the Blue Jays. Hwang cruised at both second-doubles and singles, and Greenbaum swept his fifth-singles match and

also teamed with Karjalainen to win third-doubles in the closest match of the day, 8-5.

The Blue Jays will play host to two different squads on Saturday, taking on Washington College in conference competition at 11 a.m. before playing fellow intrastate rival Salisbury at 2 p.m.. They will then road-trip to Fredericksburg, VA on Sunday to face Mary Washington.

Playoff action will commence the following week.

## Record-breaking performances for track team at home meet

By JARED FRYMAN  
Staff Writer

The Hopkins men and women's track teams hosted the The Hopkins/Loyola Invitational track meet on Sunday, the first and only home meet of the season.

Both teams came away very successful, with the men placing first out of the ten competing schools and the women coming in second for their respective meet.

The men's team broke two school records in their win, while the women finished second only to Division I Towson University.

The men's team finished the meet with a total of 183 points, while Salisbury University took second place with 169.5 points, and Rowan College placed third with 116 points.

Sophomore Alex Jebb was the first Blue Jay to break a current school record, topping Bob Wilson's

30-year old record at the triple jump event with a leap of 13.83 meters, leading the conference and placing in him second place at the meet.

In the long jump, Jebb then went on to place first with a 6.55 meter jump, while teammates Alexander Naticchia, Jonathon Lee and Ryan Walsh placed second, fifth and sixth in the event.

Jebb was not the only Hopkins team member to place in the triple jump event, with Michael Spadaro, Brendan Evans, and Harper Wilson taking third, fourth and sixth respectively.

Blue Jay senior and co-captain Luke Sand won the discus event with the conference-leading throw of 46.18 meters. He also continued to come in third place in the shot put.

The next school record was broken in the 4 x 100 meter relay, as Hopkins team members Robert Martin, Naticchia, Tobe Madu, and Collin Rozan-

ski combined for a time of 42.64 seconds.

Following the 4 x 100 was the 4 x 800 meter relay, an event which was won by Hopkins runners Julian Saliani, Wes Butler, Ben Press, and Andrew Carey in 8:06.48 minutes.

Sophomore Josh Budman won the rugged 3,000 meter steeplechase in just 9:50.89.

In the final events, Naticchia ran a solid 22.73 in the 200 meter race, Martin clocked 50.64 for 400 meters, and Press ran a personal best 1:55.66 for second in the 800 meter. Jebb was second in the 110 meter high hurdles in 15.76 and Max Robinson was second in the 5,000 meter run in 15:19.38, followed by Blue Jays Brett Schwartz and Austin Steckclair in third and fourth.

The dominance and intensity brought to the meet by the men's team was unmatched by any of the opponents, and the Blue Jays will look to bring the same intensity to their next meet

on April 20.

The women's team also posted a strong performance this past Sunday, taking second place at the only home event of the year.

Towson won the meet with a leading 274.5 points, but the Blue Jays finished with 129 points, ahead of third place Chrisopher Newport (104.5 points), and Salisbury (101 points).

Freshman Hannah Eckstein posted a solid victory to set the tone for Hopkins, running a 17:13.96 in the 5,000 meter run, 11 seconds ahead of fellow All American and teammate sophomore Holly Clarke. The two have become a formidable one-two punch for head coach Bobby Van Allen

Junior Annie Monagle led the 800 meter run with a time of 2:16.11, while freshman Megan Hotz came in fourth at 2:21.19.

Sophomore Lillian Murphy came in second in the 3,000 meter steeplechase in 11:34.89, and the Blue Jays proceeded to place second in three relay events.

Hopkins added a second place finished in the javelin, with Emily Swenson reaching 38.72 meters. Overall, both teams were very productive in the Men's and Women's Hopkins/Loyola Invitational, bringing home first and second place finishes.

The track team will travel to Chester, PA for their next meet before the Centennial Conference Championships.

Freshmen  
shine for  
Lady Jays  
Tennis

W.TENNIS, FROM B12

The Jays are not simply squeaking by opponents either, rather they are dominating their Conference.

The Blue Jays have demonstrated their superiority in the Centennial Conference throughout the season and show no signs of slowing down.

Looking to build off of their conference dominance, the Blue Jays traveled to Pittsburgh to face fourth ranked Carnegie Mellon. Hopkins came out strong with a good performance in doubles play. Sophomore Hailey Hogan and junior Nandita Krishnan won at first doubles against the second rated pair in the country. Hopkins was defeated at second but freshman Elaine Baik and Stephanie Rettig earned an 8-4 victory at third. Coming out of doubles play, Hopkins took a 2-1 lead over Carnegie Mellon and looked to build on that going into singles play. However, Carnegie Mellon had other plans.

Carnegie Mellon went on to dominate the singles play for the afternoon, taking five of six matches. The Blue Jays were only able to take one match in the head-to-head battles and were unable to counter the Carnegie Mellon rally. They ultimately lost by the final score of 6-3.

The Blue Jays moved to 10-5 on the season while Tartans improved to 15-3.

Next up, Hopkins takes on Centennial rival Swarthmore on the Homewood campus.



# SPORTS

## Did You Know?

After the team's 9-6 loss to Maryland, the men's lacrosse team snapped a 12-game home winning streak extending back to the 2011 season.

## CALENDAR

FRIDAY  
Baseball vs. Washington, 3:30 PM  
SATURDAY  
M. Tennis vs. Washington, 11:00 AM  
W. Tennis vs. Swarthmore, 3:00 PM  
TUESDAY  
Baseball vs. Mary Washington, 4:00 PM  
WEDNESDAY  
W. Lacrosse vs. UMBC, 7:00 PM

## M. and W. Track impress at home meet



FILE PHOTO  
At the Hopkins/Loyola Invitational, the Blue Jay athletes outperformed all of the Division III schools present en route to a first place finish for the men's squad and a second place finish for the women's squad. Led by record breaking performances, the Blue Jays gave the home crowd something to cheer for on a warm weekend. For full coverage, please see Page B10.

## Jays offense stifled by Terps in 6-9 loss

By KEVIN JOYCE  
Staff Writer

The third ranked Blue Jays suffered only their second hiccup of the season Saturday, and had their 12-game home-winning streak snapped, falling to Maryland, 9-6 in front of a sold-out throng of 8,500 at Homewood Field.

The ninth-ranked Terps began their torrid comeback at the nine minute mark in the third quarter, scoring the final six goals of the game, including a remarkable four scores by junior attackman Owen Blye. The victory ups the Terps' record to 7-3, while the Blue Jays slip to 9-2 on the season.

Hopkins was plagued by a second-half drought that saw them score only one goal in the entire thirty minutes of the half. The lone score came from senior Chris Boland, off of an assist from junior John Greeley just 43 seconds into the third quarter.

The Jays got off to an auspicious start in the game, with sophomore Rob Guida scoring his 13th goal of the season at the 12:44 mark in the first quarter off of a dish from John Greeley. Lee Coppersmith then netted his twelfth of the season on an unassisted play just a minute later.

The score remained 2-0 for nearly the remainder of the first quarter, with the Hopkins defense holding tight until Kevin Cooper and Landon Carr of the Terps squeezed two goals past junior Pierce Bassett in a 62-second span to end the quarter with the score tied at two apiece.

Sophomore Greg Edmonds ignited a 3-0 Hopkins run that covered a seven-minute stretch in the second quarter leading into halftime. Edmonds, John Ranagan and Brandon Benn all got in on the action to turn the 2-2 stalemate into a 5-2 advantage for the Jays. However, a Billy Gribbin goal with 54 seconds remaining in the first half stymied much of the momentum Hopkins gained from these scores. The Jays went into halftime with a 5-3 lead.

After Boland's score ear-

ly in the second half, which gave the Jays a 6-3 lead, their second three-goal cushion of the game, the Terps began their comeback. Beginning with 9:04 left in the third quarter, Blye scored the first two goals of the six-score run, as the Terps would pull away in the final quarter to give them their second win over the Jays in three years.

After the game, junior defenseman Tucker Durkin talked about the loss, saying "we were prepared and had a great gameplan, but were not able to execute for 60 mins and that's what you have to do to win against a great team like Maryland."

Michael Shakespeare used space to step forward from 10 yards and rocket one past Bassett with 17 seconds remaining in the third quarter. With the Maryland comeback complete at six goals each going into the fourth quarter, all momentum had shifted towards the Terps' bench.

Kevin Cooper's goal with just over two and half minutes left in the game virtually sealed the outcome and capped the scoring for the 108th match-up in this historic rivalry.

While the Red and Black faithful who made the quick trip to Homewood Field were treated to a thrilling upset victory, the home crowd left disappointed after the team's second loss in just three games.

Hopkins won several significant statistical categories, outshooting Maryland 29-28, dominating the face-offs by winning 14 out of 19, and gaining two extra-man opportunities (none of which they cashed in on) to the Terps' none. John Greeley had turned in a solid performance with a career-high three assists. Despite the performance on paper, the Jays just could not best Maryland in the most important statistical category.

Hopkins lacrosse will look to rebound from the loss next Saturday as they take on Navy in Annapolis, MD at 12 noon. You can watch the Navy game on CBS Sports network or follow along on ESPN Radio,

INSIDE

### M. Tennis: 16th in nation

No matter the competition, the Hopkins men's tennis team has played at their best, this week taking down Muhlenberg, Carnegie Mellon, and McDaniel to go 3-0. **Page B10**

### Athlete of the Week: Alex Jebb

The sophomore did not disappoint in the team's only home meet of the season, leading the Hopkins jumpers as he set a new school record for the triple jump. **Page B11**

### NHL Playoffs: Suspensions galore

Bad blood abounds among the first round match-ups, this first round has proven to be more violent than any in recent memory, and the league office has noticed. **Page B10**

INSIDE

## Rossi scores 3 goals in tough loss

By RYAN KAHN  
Hip-Hop Editor

The Northwestern Wildcats women's lacrosse team is not only the perennially top-ranked team in the nation, but also the defending NCAA champions. The Blue Jays understood the importance of this match-up in their quest to put the team back on the map towards a national title after an already successful season.

Hopkins fought hard all game — jumping back from a six-point deficit throughout much of the game to tie the match at 11 at one point. However, the Blue Jays late push was not enough for the victory as the Wildcats scored five of the last six goals and went on to win the conference match-up, 16-12.

Northwestern began the match with their foot on the pedal, scoring the first six goals while holding Hopkins scoreless for the opening 20 minutes. With two goals and two assists, Northwestern's Shannon Smith was the protagonist of this onslaught of offense. Erin Fitzgerald scored three of the first four while Kara Mupo was able to put one into the back of the net with the third goal of the game.

Almost like a wake-up call, Hopkins sparked and began their comeback. Freshman Jenna Kasmarik was the first to break the ice and scored a free position goal with ten minutes left in the half. But the Wildcat's momentum was not swayed just yet as Kelly Rich received

a great feed from Amanda Macaluso, stretching the lead back to six at 7-1 Northwestern.

While the goal was scored for the Wildcats, it seemed to fire up the Blue Jays enough to put them back in the game. Sophomore Sarah Taylor and senior Rachel Ballatori scored impressive back-to-back goals within a minute of each other.



NATHALIA GIBBS/PHOTOGRAPHY EDITOR  
Sammie Cermack's goal and assist were not enough to pull off the upset.

ute of each other.

The Wildcats were quick to answer, however, with two goals of their own: another goal from Smith and Ali Cassera's first of the day. Time was ticking away in the first half and, down 9-3, Ballatori found the net once again with just less than 30 seconds left. Sophomore Taylor D'Amore got her hand into the action as well and scored nearly 21-seconds later bringing down Northwestern's lead to 9-5 going into the half.

D'Amore's goal was the 100th point of her career, an amazing feat for a sophomore with just 30 career games played. She is the fastest Blue Jay to reach this benchmark since former Blue Jay star Mary Key in 2005.

After coming up big in the clutch and assisting on both goals at the end of the half, senior Candace Rossi stepped up

once again and scored just 10 seconds into the second half. But as the first half proved, the Wildcats do not back down after giving up a goal. After somewhat of an offensive hiatus for Northwestern's sophomore, Mupo pushed her way into position and scored with a pair of goals in a quick spurt; with 27 minutes still left to play, Hopkins trailed 11-6.

At that point things began to click for Hopkins as they went on to tie the game at 11 with five unanswered goals. The first two came by way of senior Colleen McCaffrey with assists from sophomore Sammy Cermack and D'Amore. Rossi, Cermack, and Ballatori each scored consecutively afterwards to tie the game at 11.

This time it was Northwestern receiving the wake-up call and took the game back into their hands — and this time proceeded to hold on to it. Fitzgerald stuck first, followed by a pair from Casey Bocklet. The five-goal jump was rounded off with an unassisted goal from Kat DeRonda and a free position shot from Beatrice Conley. Rossi concluded the high scoring game with only a minute to play as the Wildcats held on to the victory, 16-12.

Hopkins returns to the field on Saturday, April 21st as they will play their final regular season road game of the year against the Penn State Nittany Lions.

## W. Tennis becomes lone CC unbeaten

By JEFF SCHILL  
Staff Writer

The Hopkins women's tennis team traveled to Allentown PA, to take on Muhlenberg. In this Centennial Conference match-up the Blue Jays took no time getting off to an early lead. The Jays swept the doubles matches, taking an early 3-0 lead on the day. The Blue Jays did not lose a single match in doubles play, going 8-0 in each of the three.

Sophomore Hailey Hogan and junior Nandita Krishnan were the first pair to win a decisive victory for the Blue Jays. Freshman Shannon Herndon and sophomore Abby Clark followed with the next victory and finally, freshman Elaine Baik and Stephanie Rettig took the last match. This trend continued into the singles matches. Junior Andrea Berlinghof did not lose a game, winning 6-0. Krishnan also won her first two sets before her opponent retired. Freshman Kaitlin Pfisterer won her first two sets, each with a score of 6-2. Freshman Shannon Libaw only needed eight games to beat her opponent 8-0 at sixth. Senior Courtney Boger took a victory, 8-1 at fifth along with a similar victory coming from freshman Macie Wilkins.

With this victory over the Mules, the Blue Jays improved their record to 7-0 in the Centennial Conference, sitting alone in first place after ending the Mules' own conference unbeaten mark.

SEE W. TENNIS, PAGE B11



VINGUYEN/PHOTOGRAPHY STAFF  
Mike Poppleton's 14-19 day at the "X" was a bright spot despite the loss.